

FIG. 1

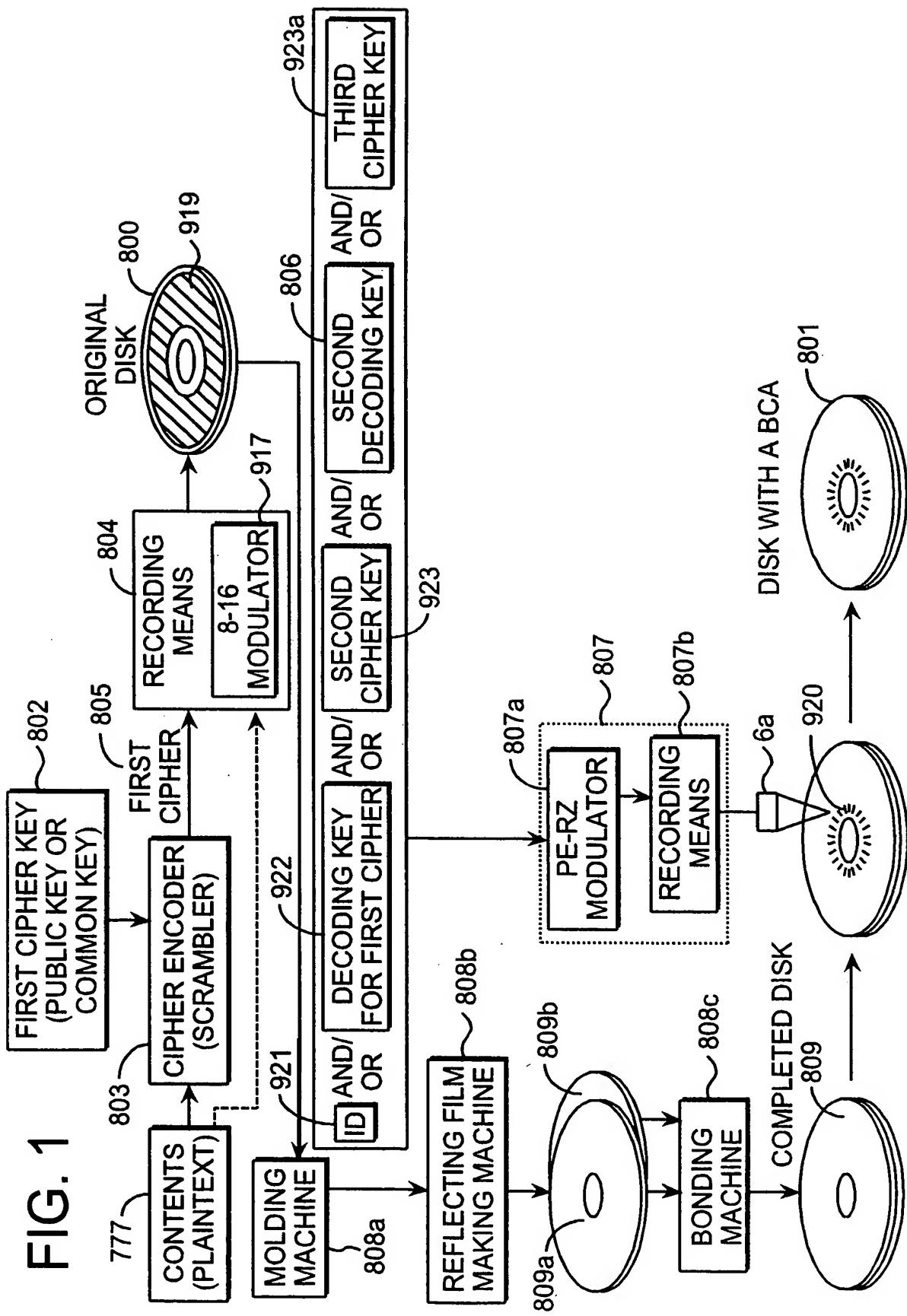


FIG. 2A BCA RECORDING
WITH A LASER

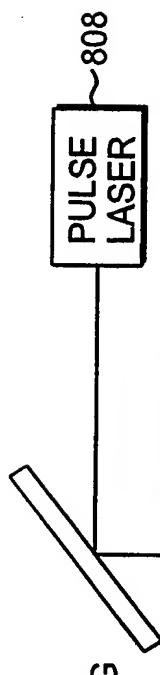


FIG. 2B AFTER BCA
RECORDING

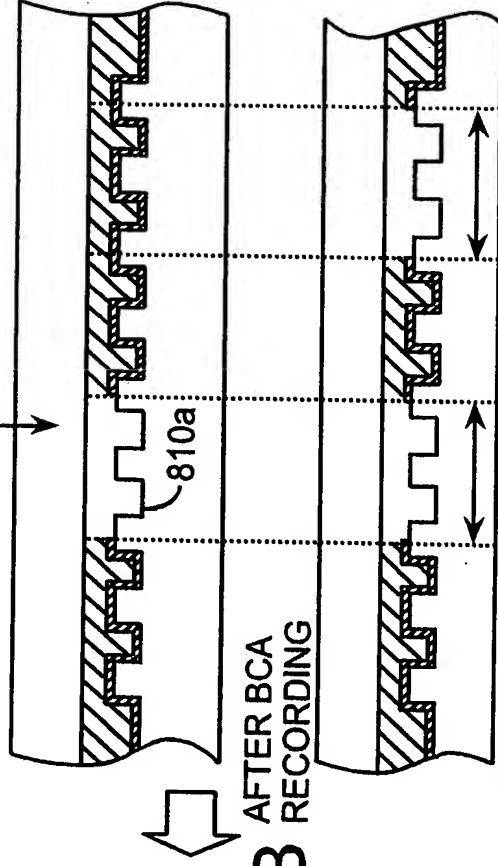


FIG. 2C REPRODUCED
SIGNAL

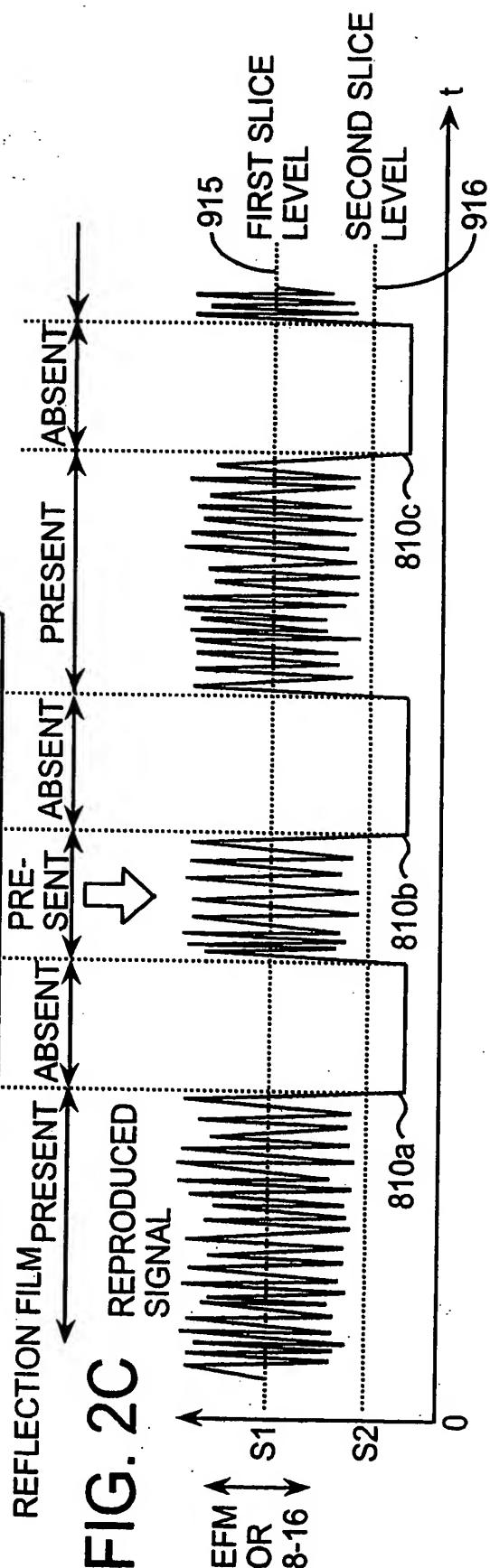


FIG. 3A

TOP PLAN

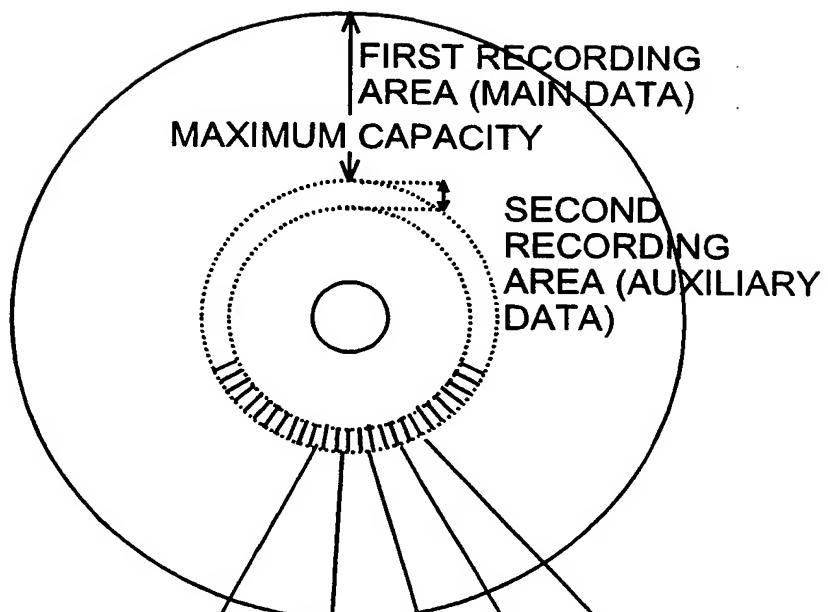


FIG. 3B

BAR CODE
PE MODULATION
RECORDED SIGNAL

FIG. 3C RECORDED
SIGNAL

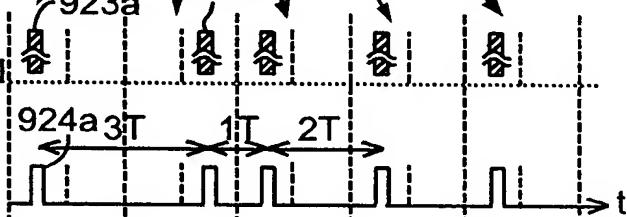


FIG. 3D RECORDED
DATA

REPRODUCED SIGNAL

FIG. 3E REPRODUCED
SIGNAL

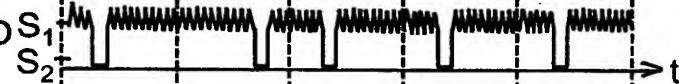


FIG. 3F FILTERED

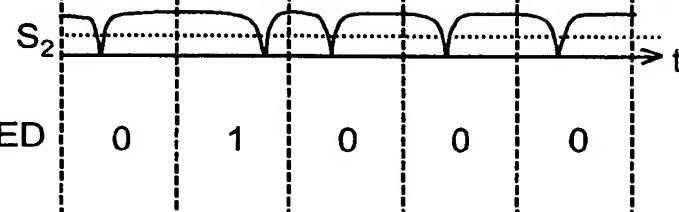


FIG. 3G REPRODUCED
DATA

0 1 0 0 0

FIG. 4A

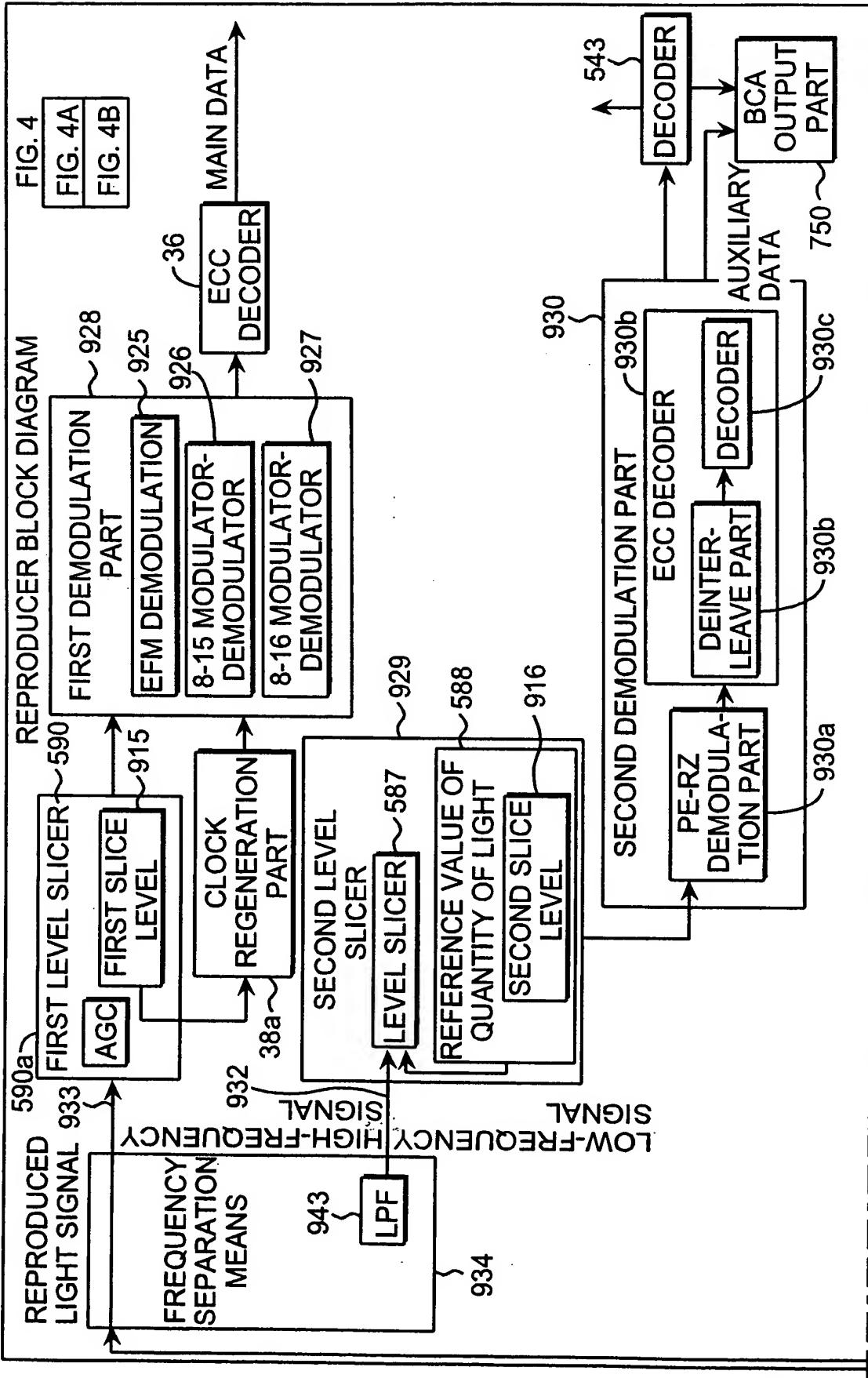


FIG. 4B

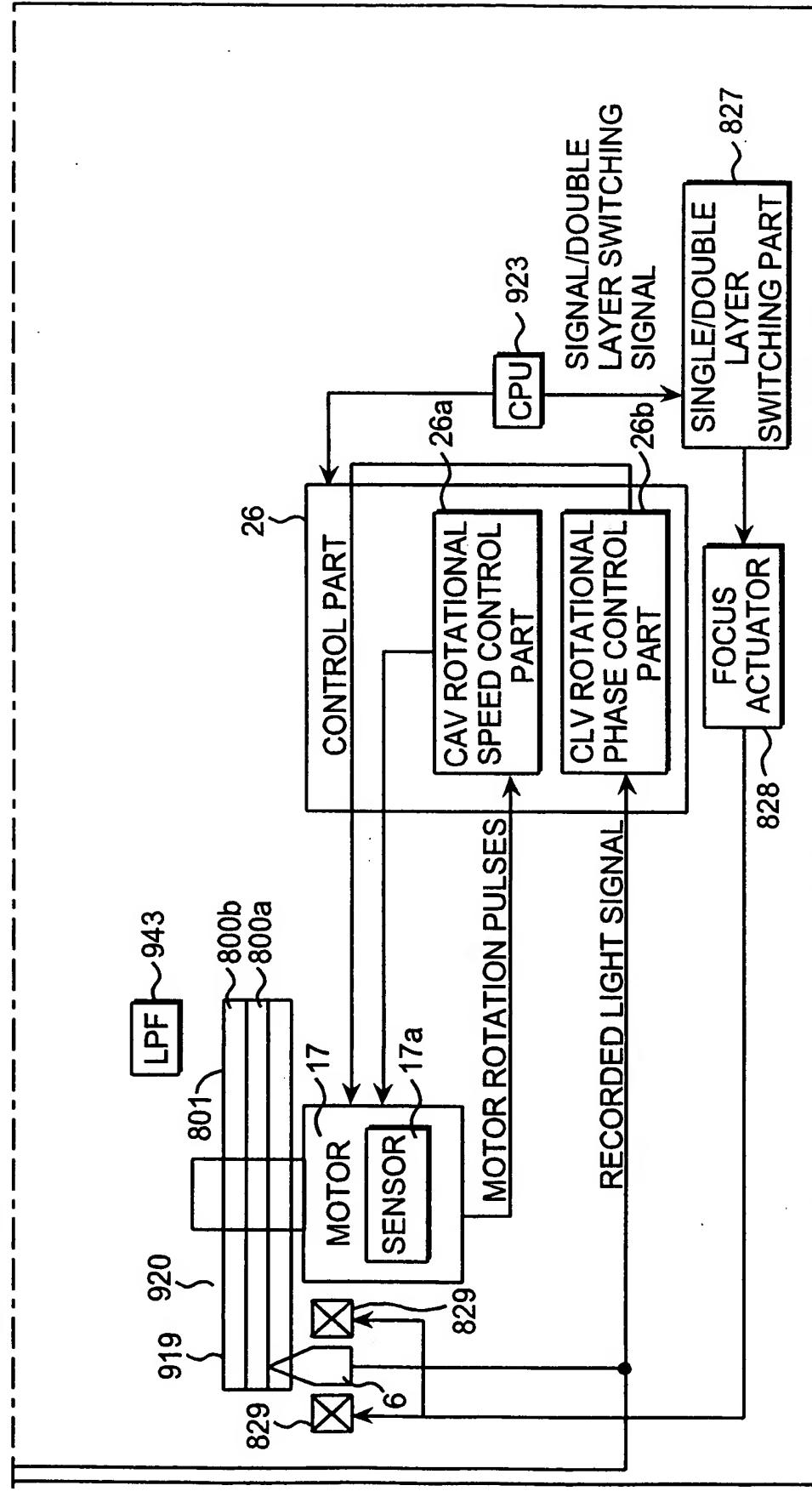
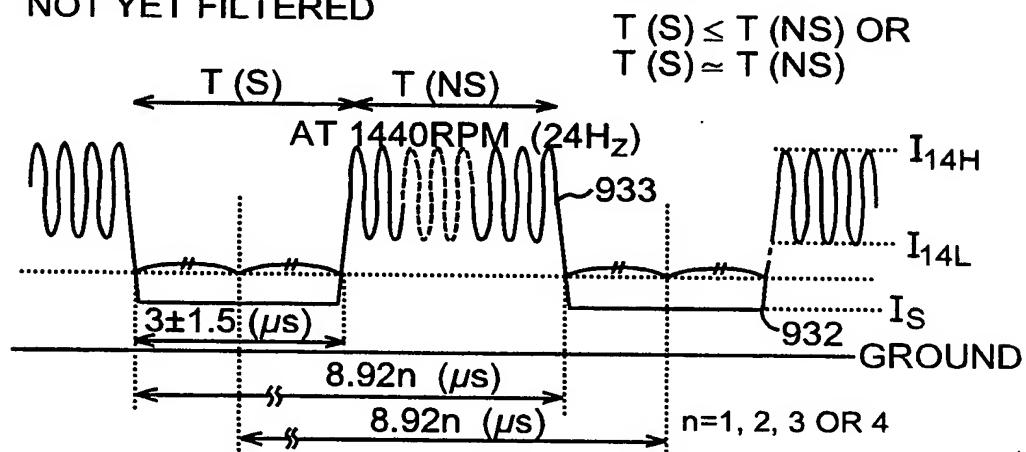


FIG. 5A

WAVEFORM OF REPRODUCED SIGNAL
NOT YET FILTERED



RULE OF REFLECTANCE $I_s / I_{14H} \leq 0.1$

FIG. 5B

SLIT DIMENSION ACCURACY (PRECISION)
(AT $r=22.2\text{mm}$)

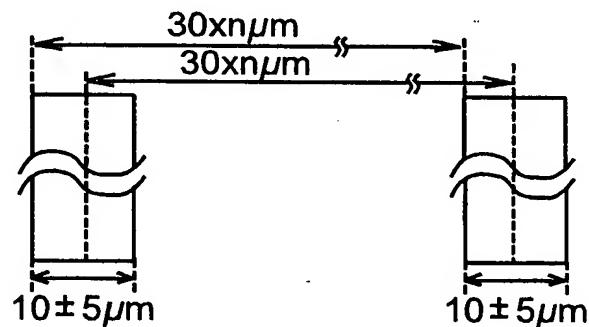


FIG. 6A

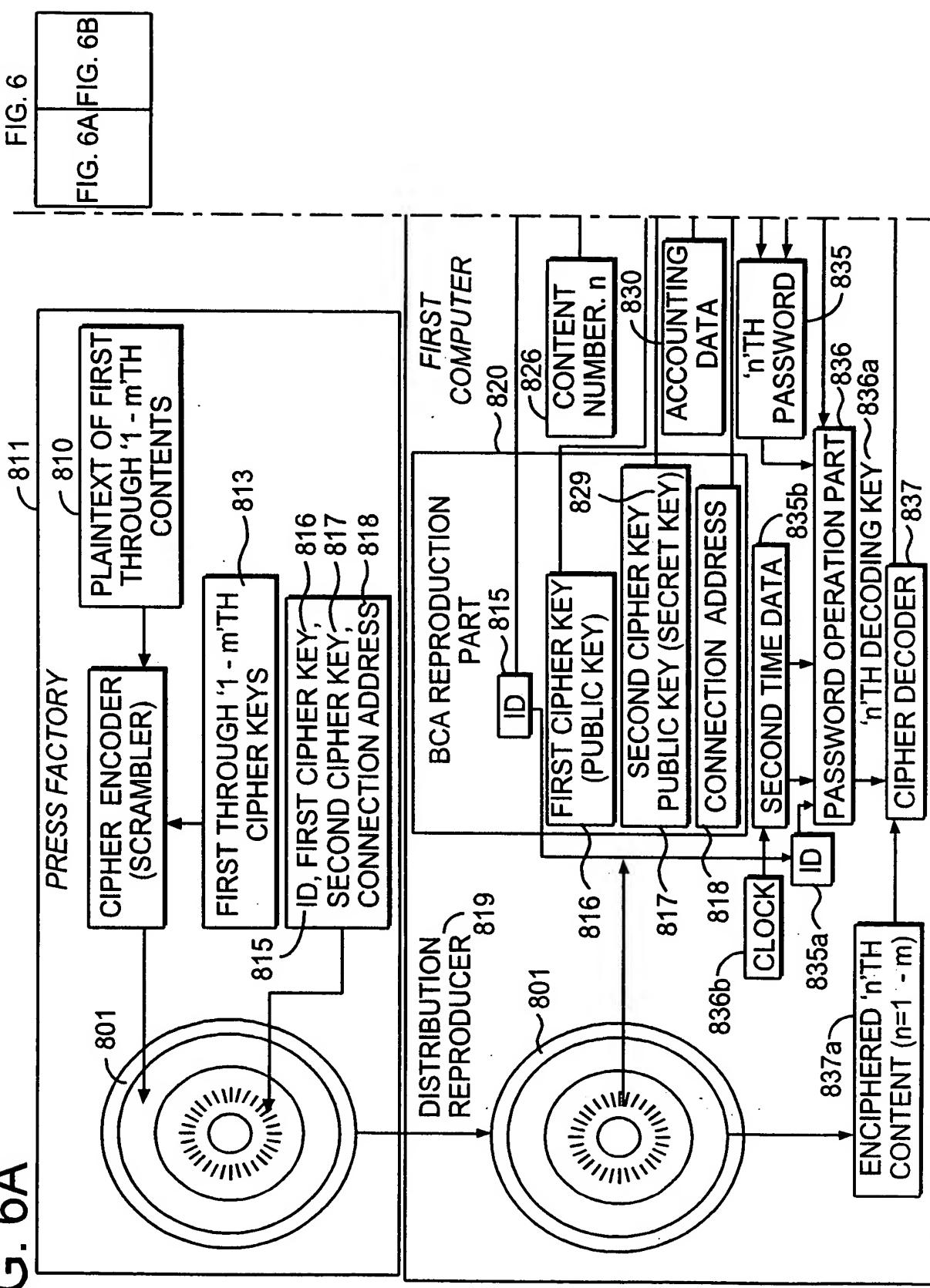


FIG. 6B

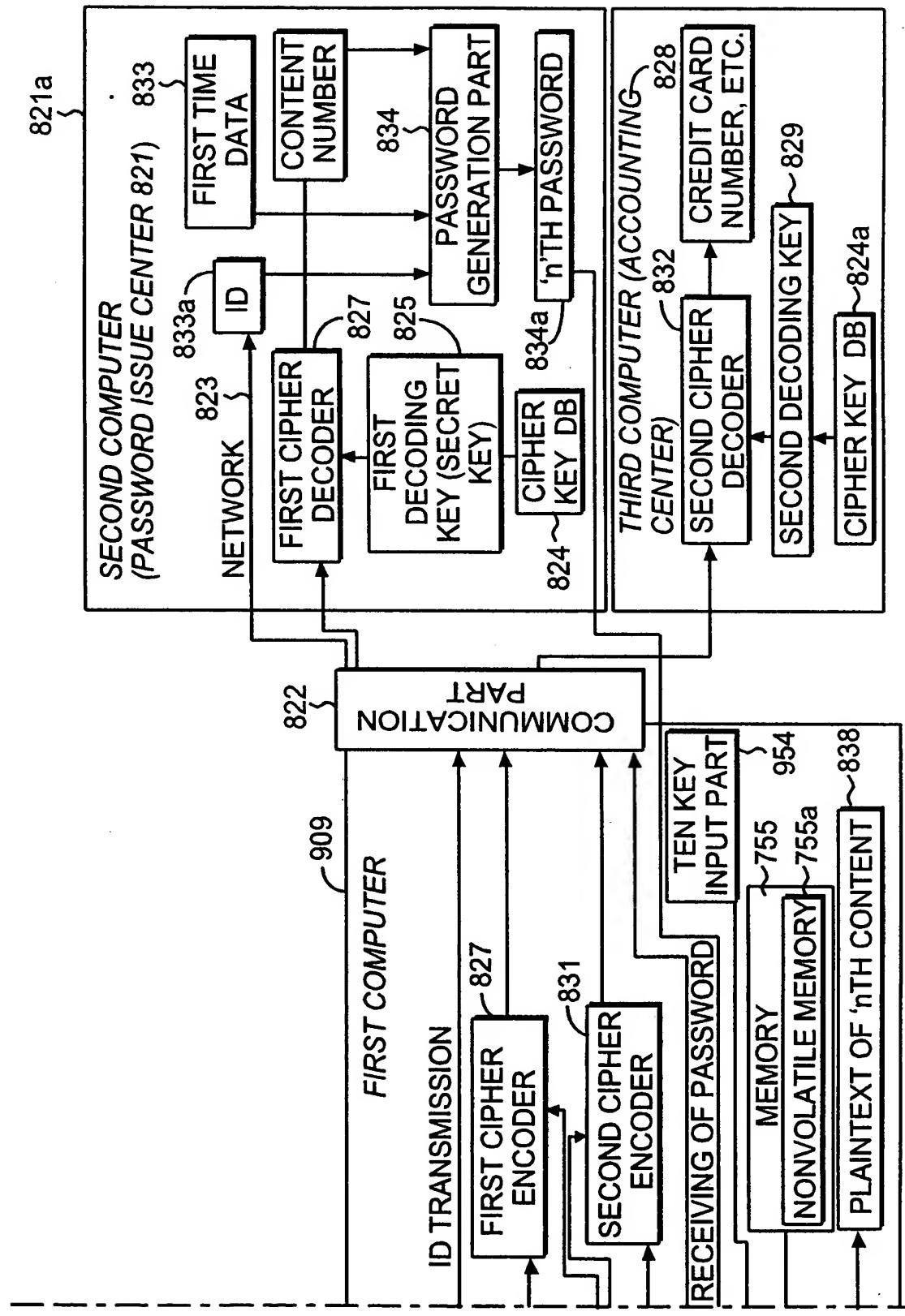


FIG.
7A

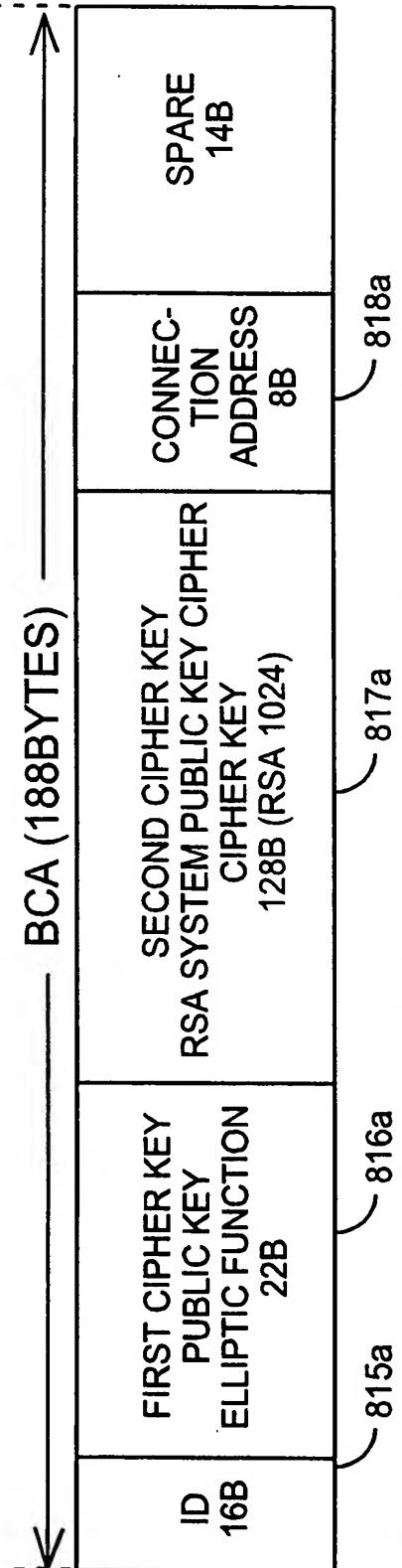


FIG.
7B

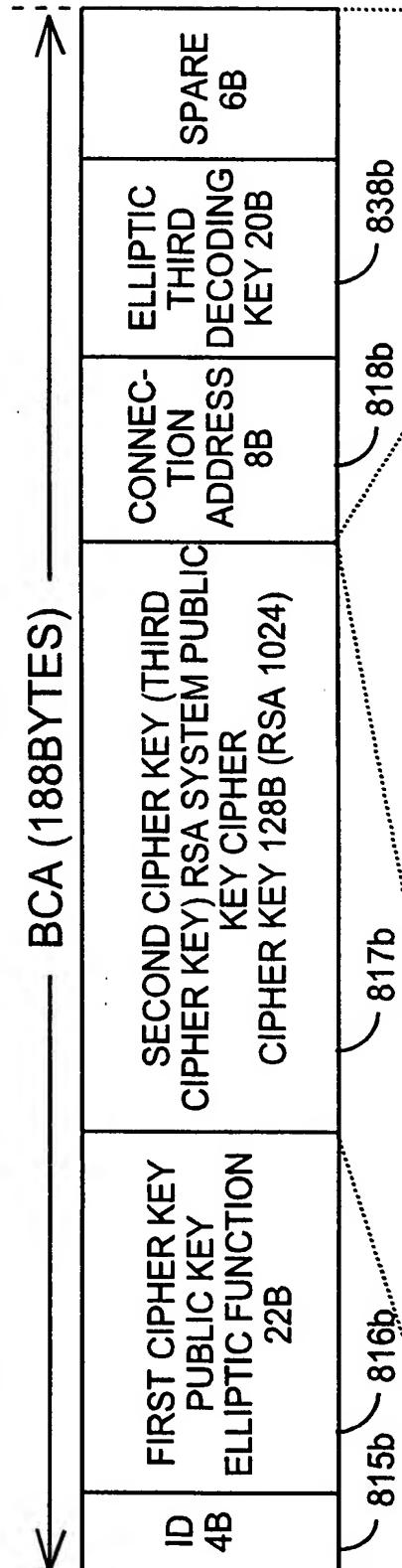


FIG.
7C

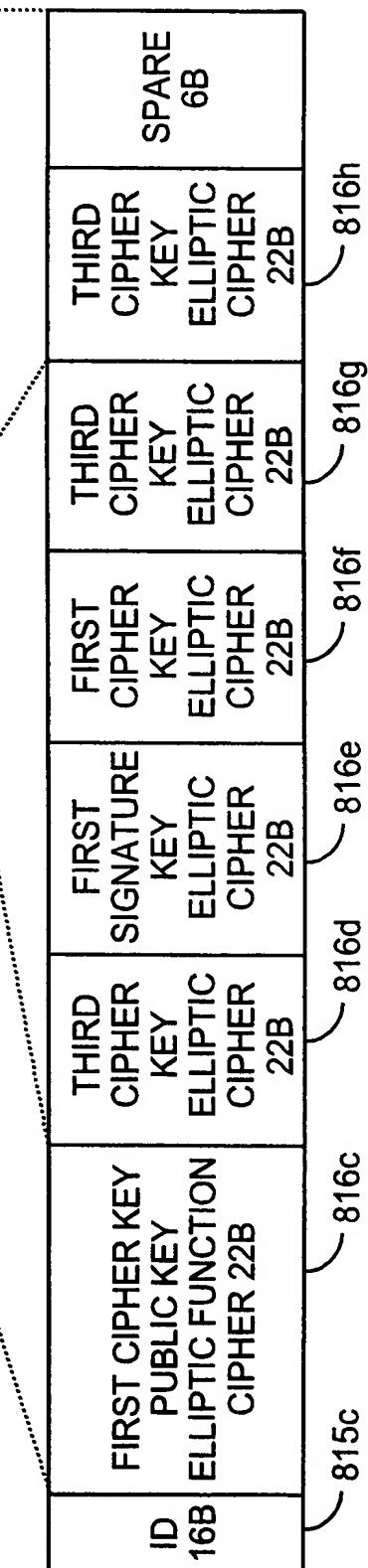


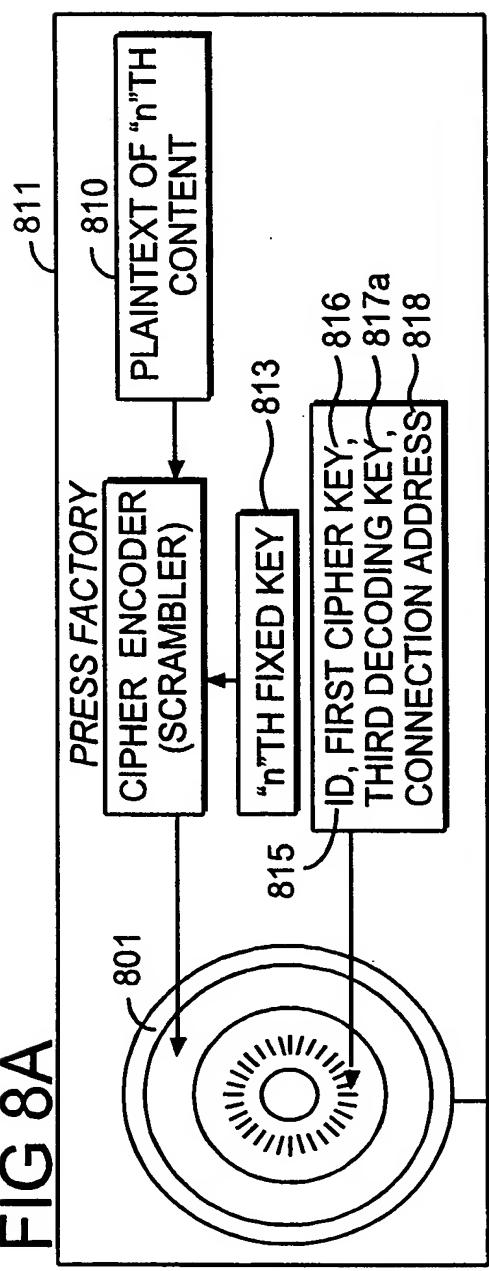
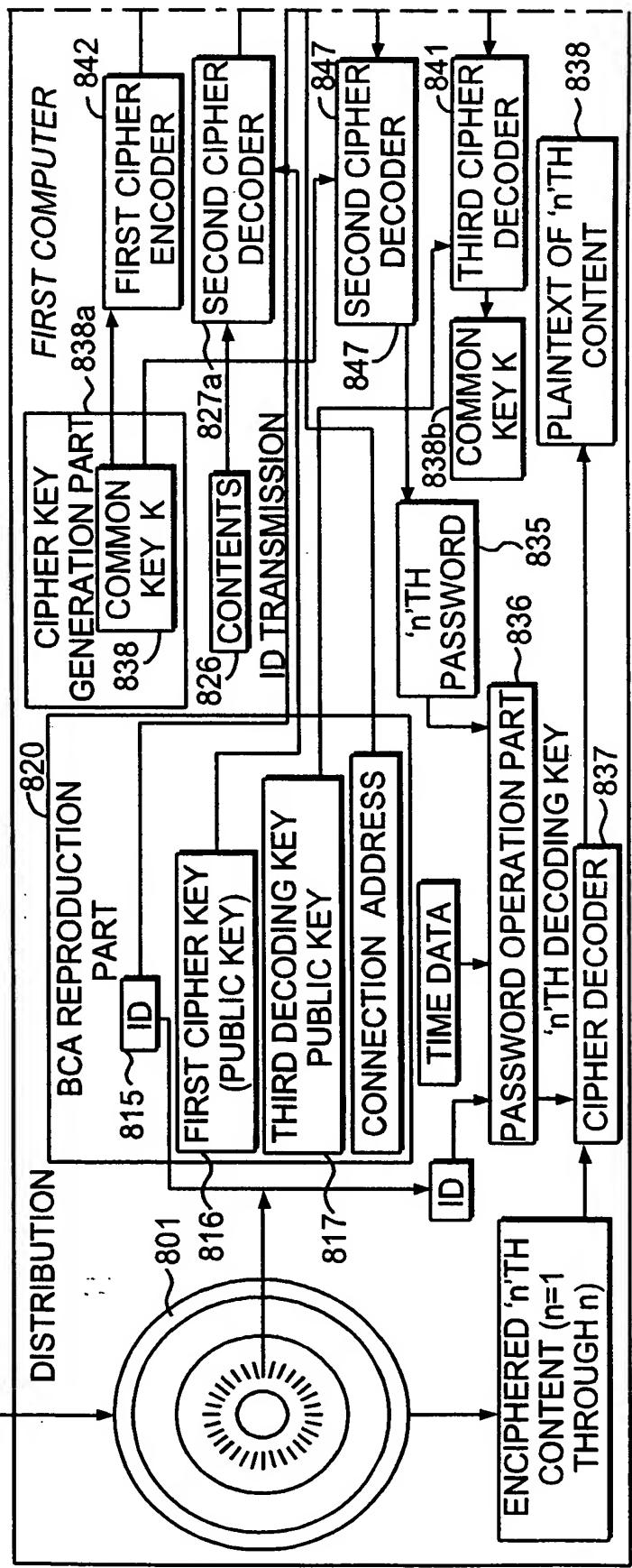
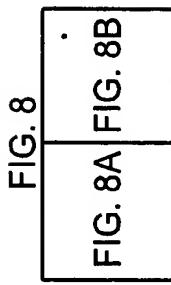
FIG 8A**FIG. 8**

FIG 8B

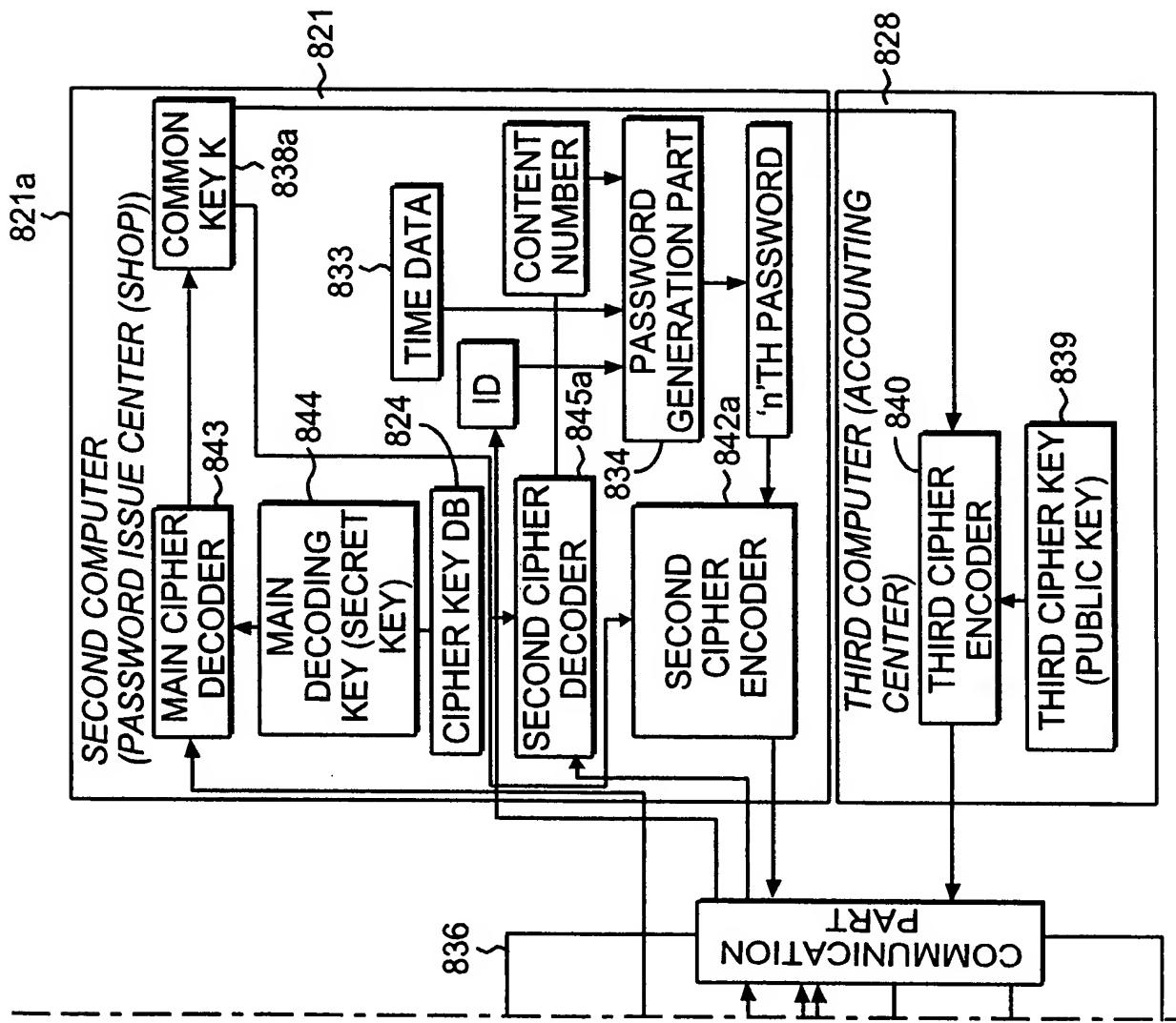


FIG. 9A

FIG. 9

FIG. 9A

FIG. 9B

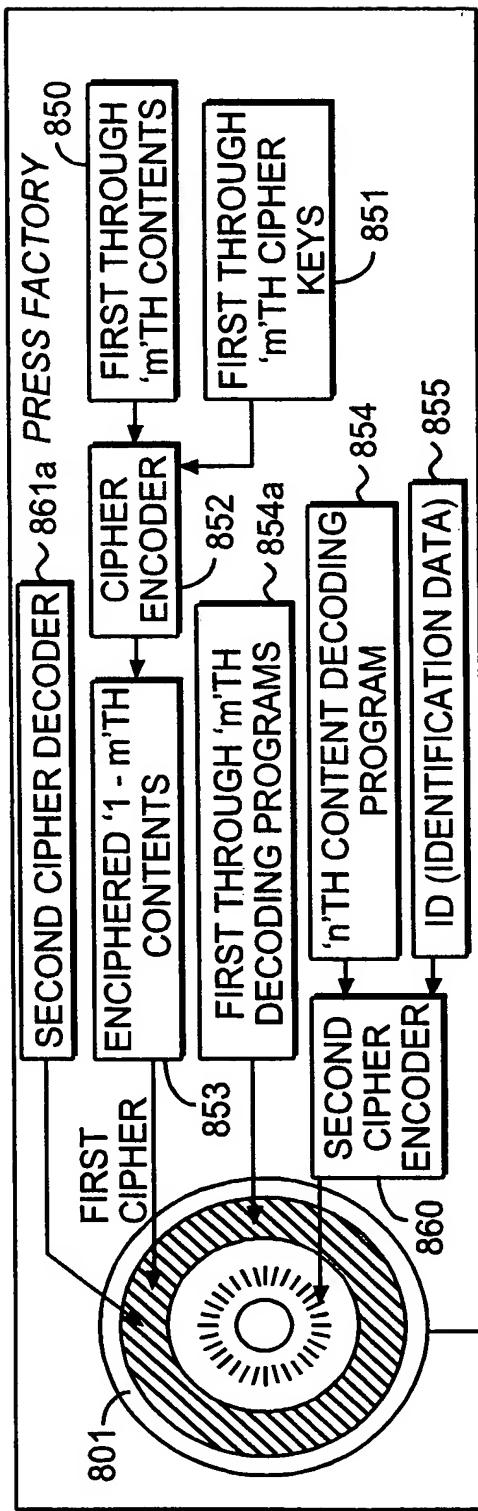


FIG. 9B

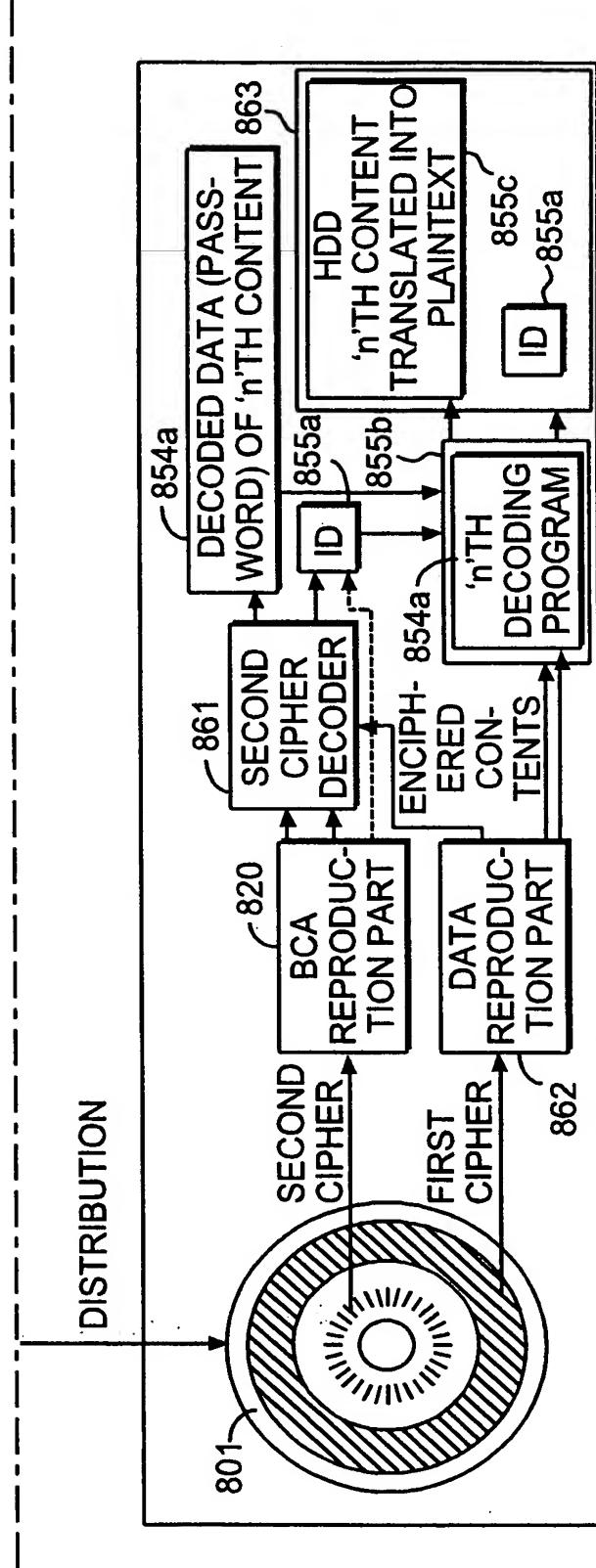


FIG. 10

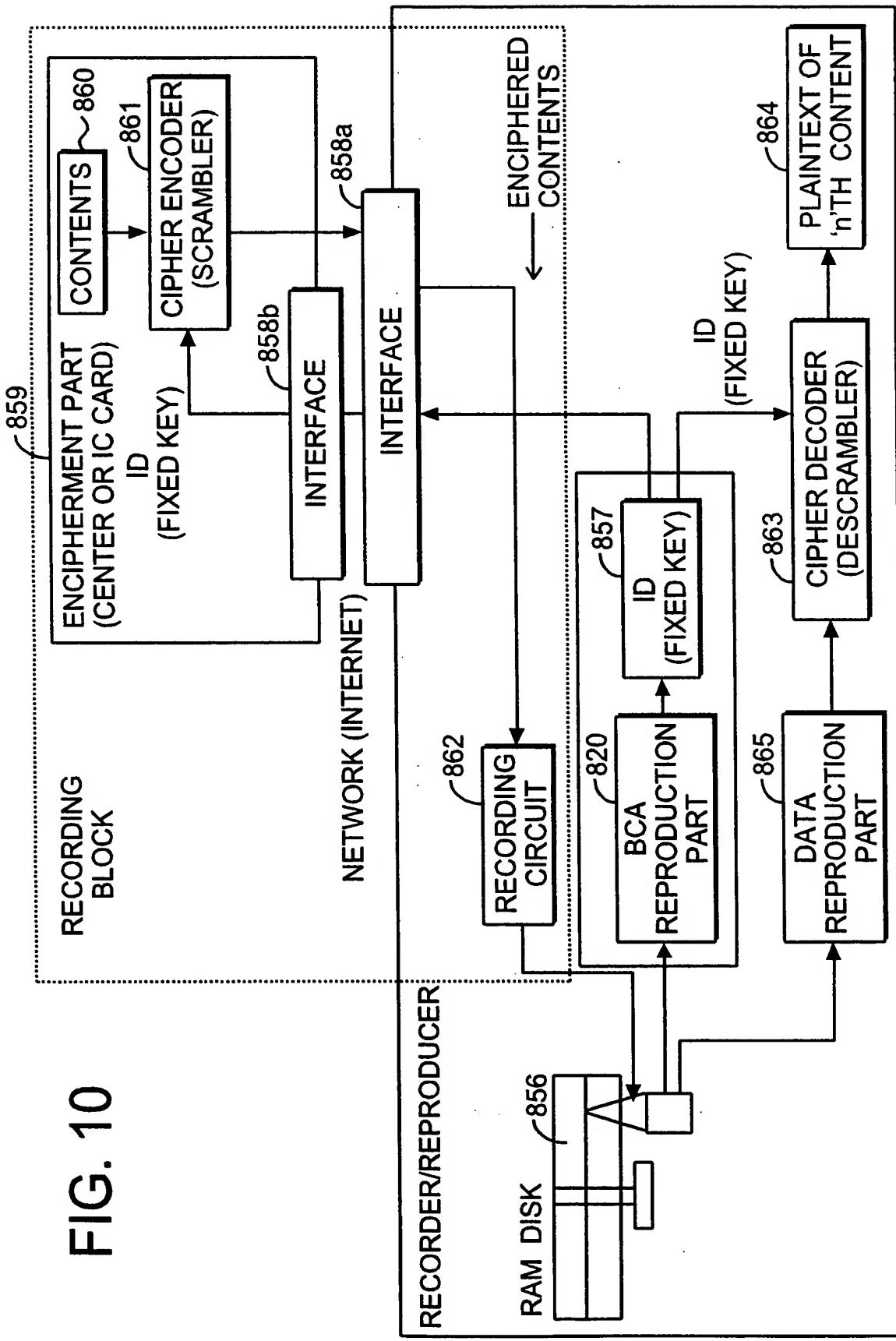


FIG. 1

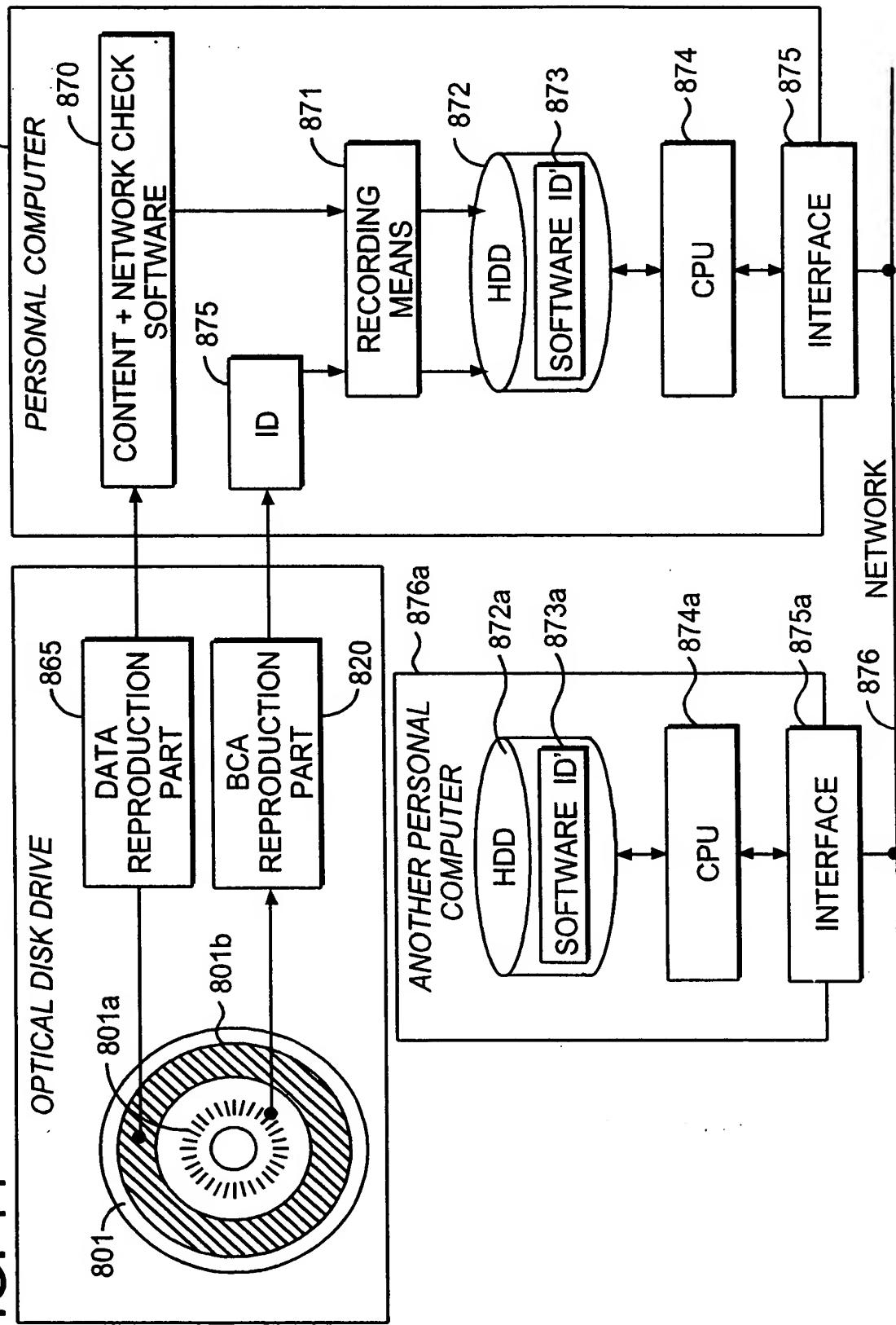


FIG. 12

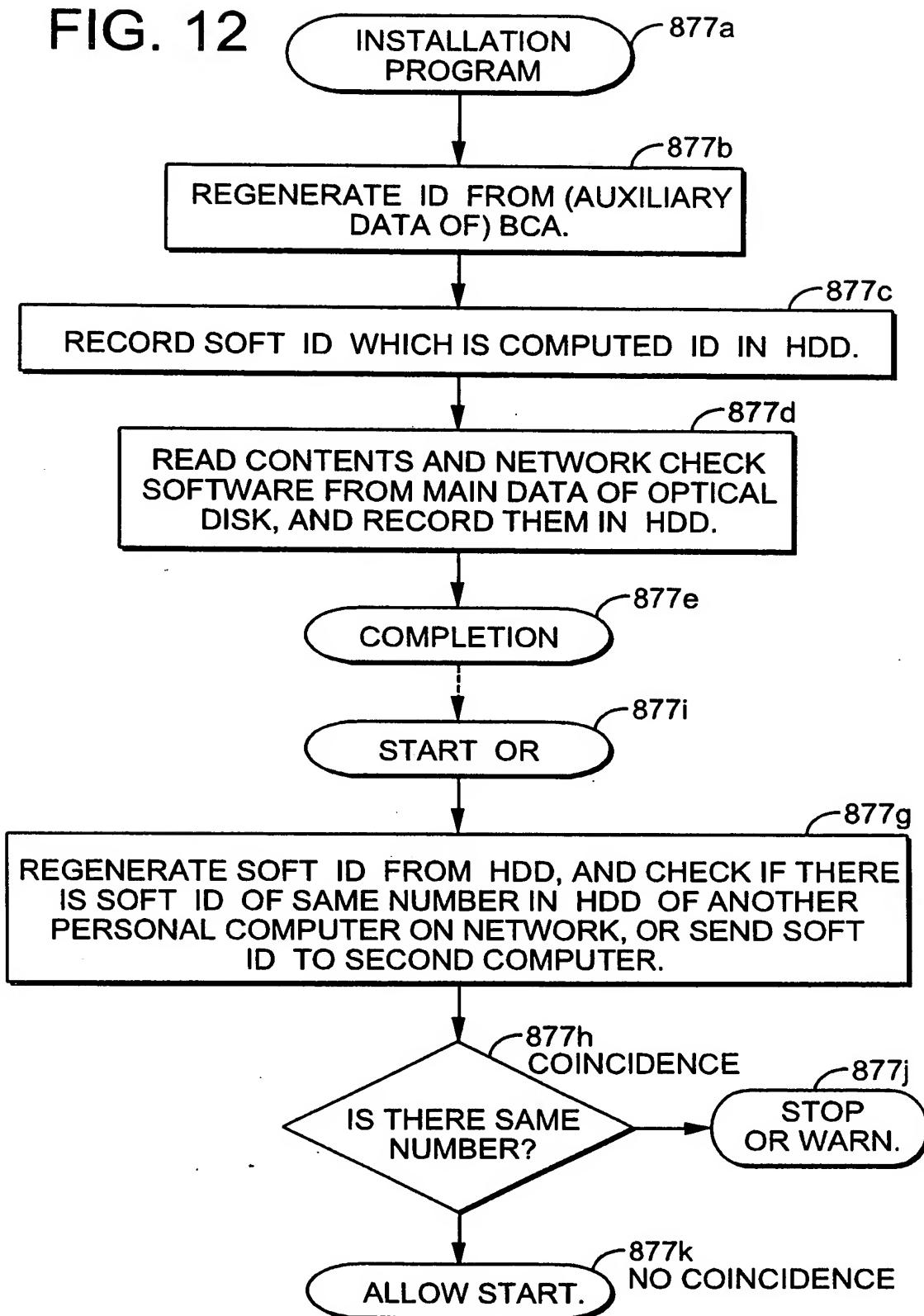


FIG. 13A

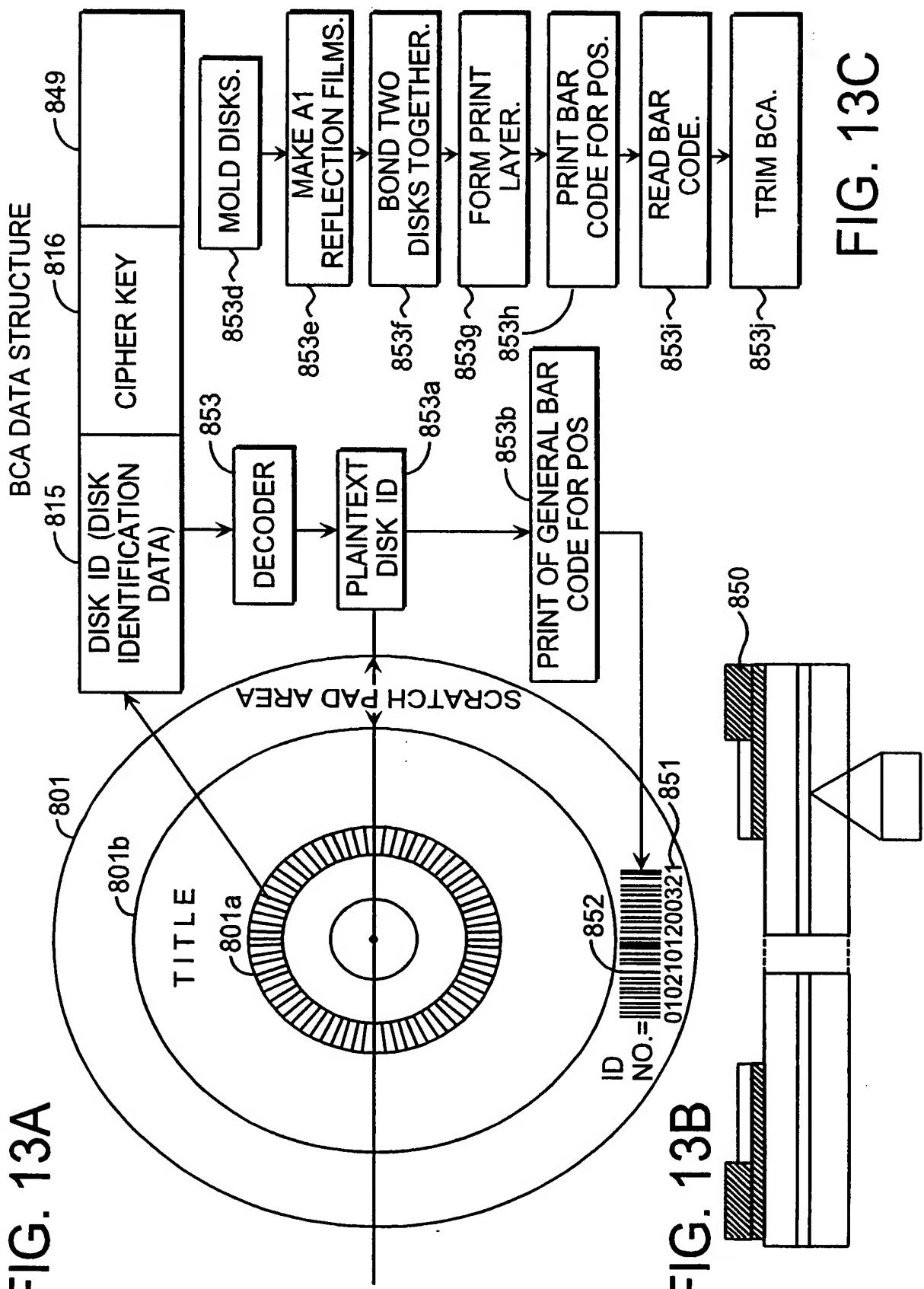


FIG. 14A

ROM DISK

ROM DISK
NOT
REPRODUCED

SELLING/RENTAL STORE

FIG.14 FIG.14A FIG.14B

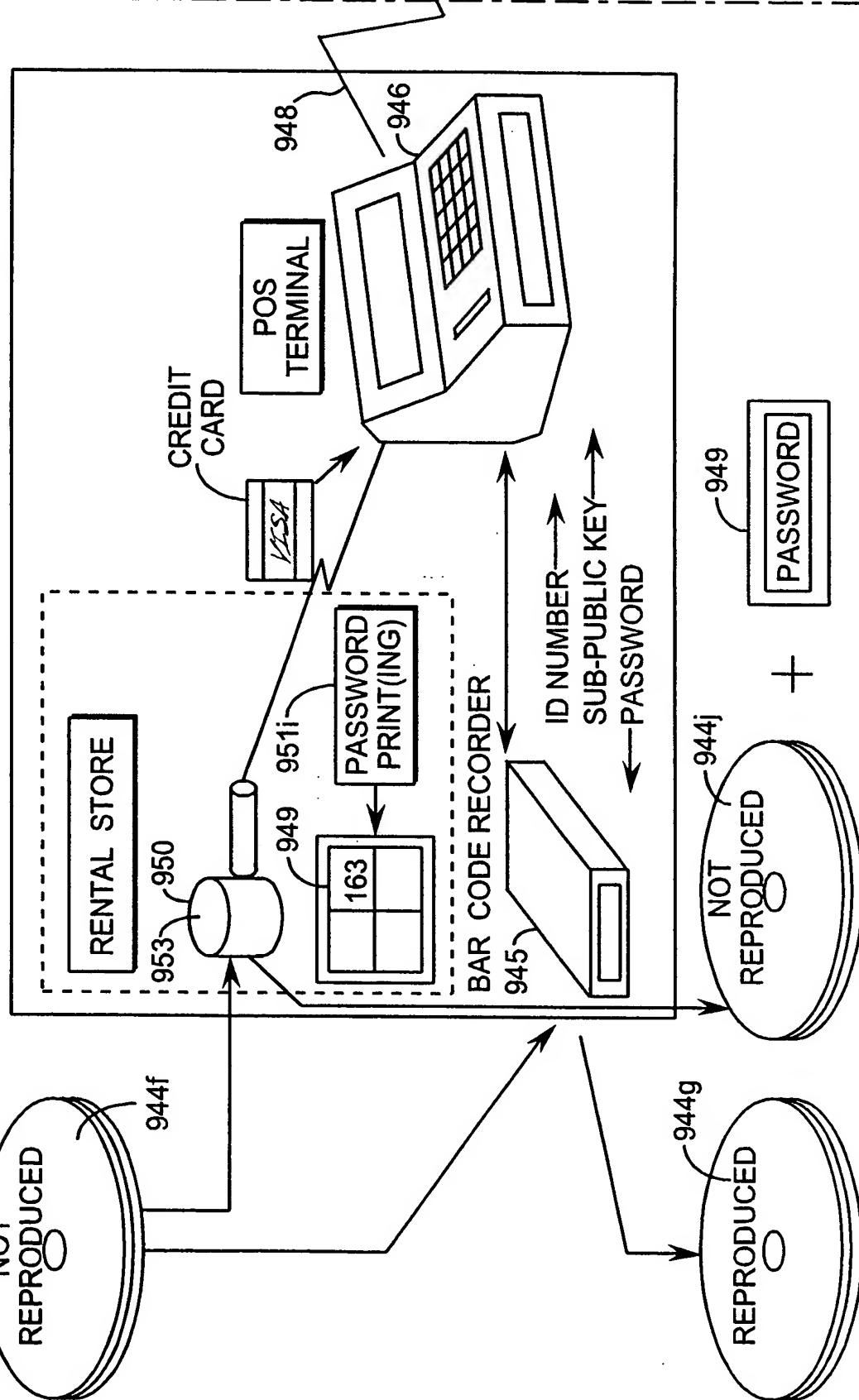


FIG. 14B

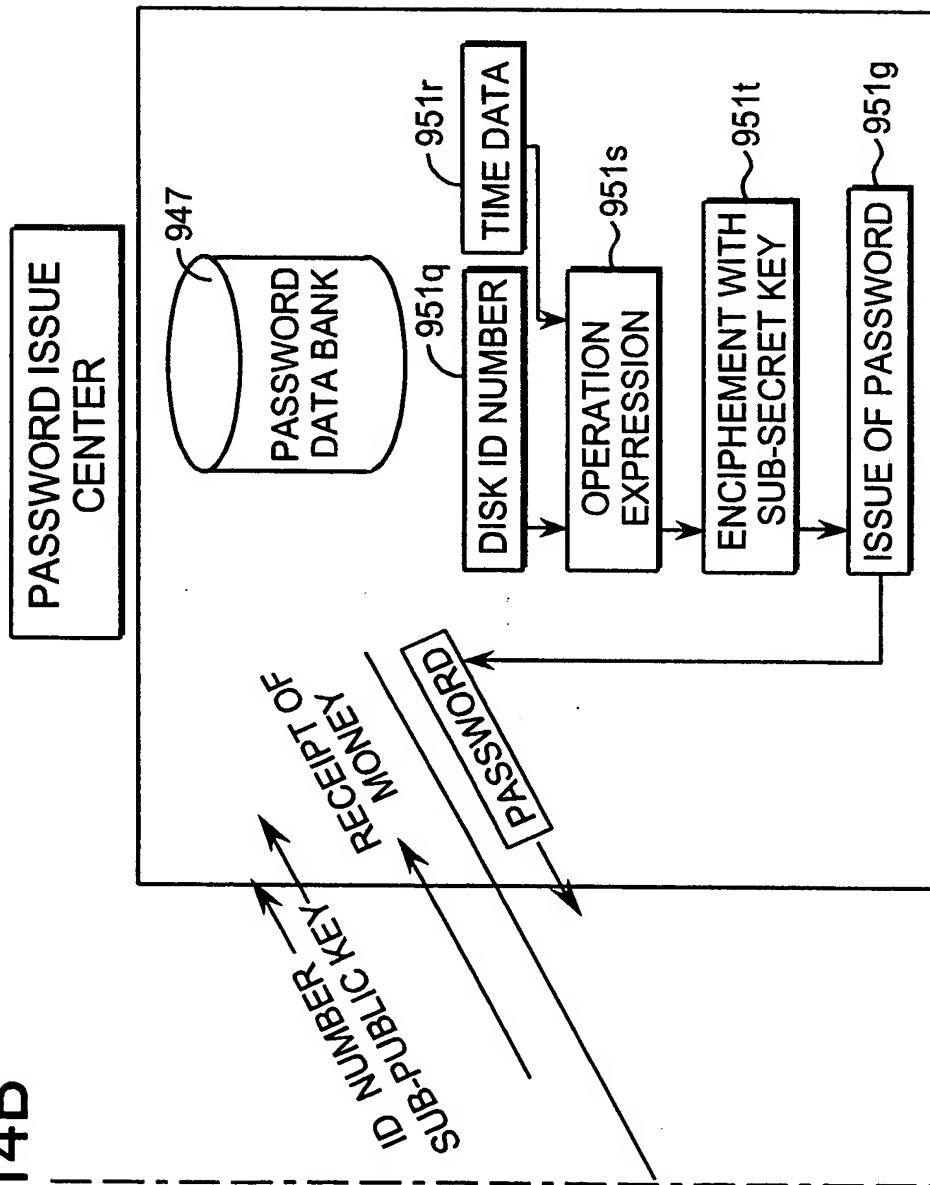
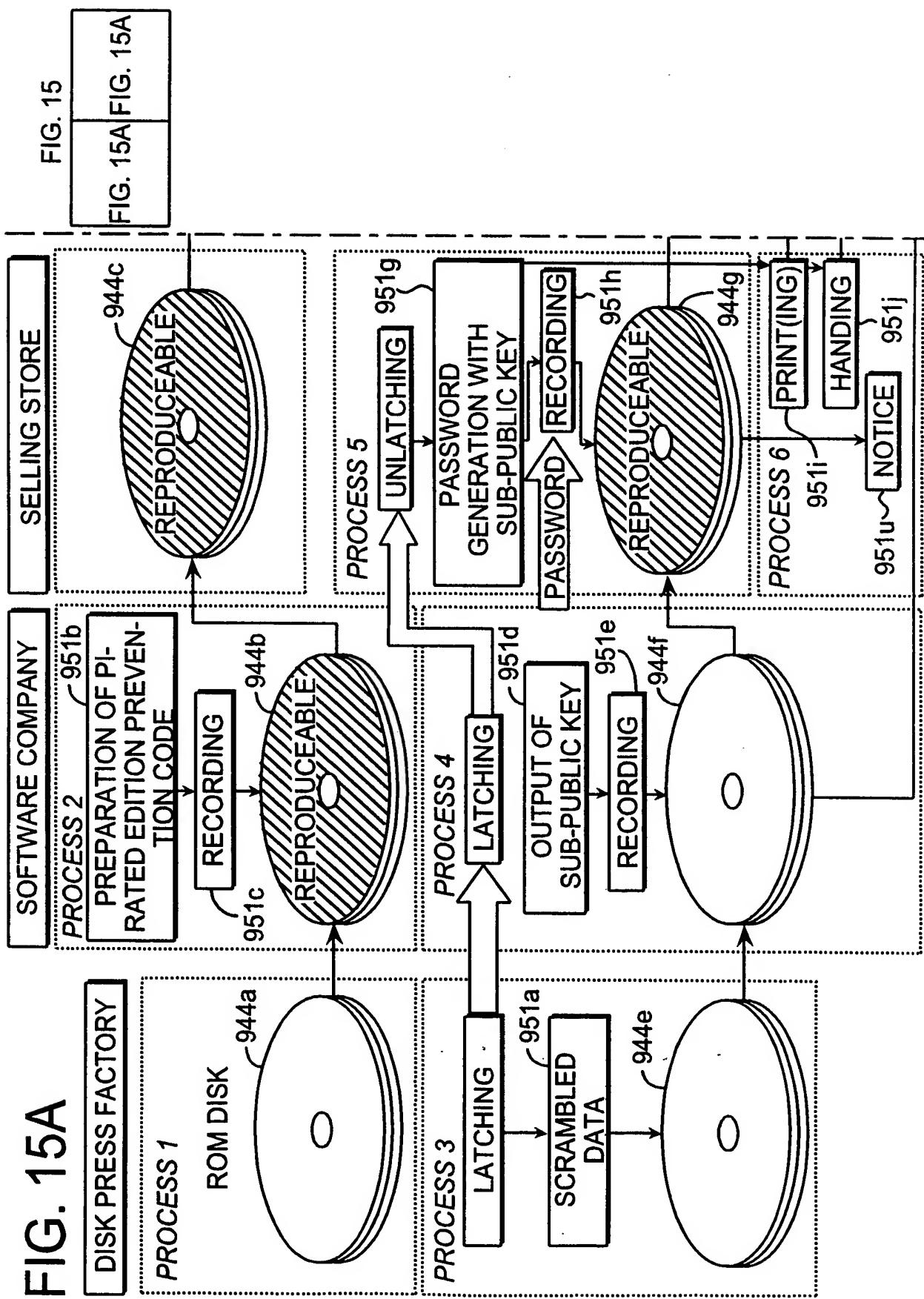


FIG. 15A



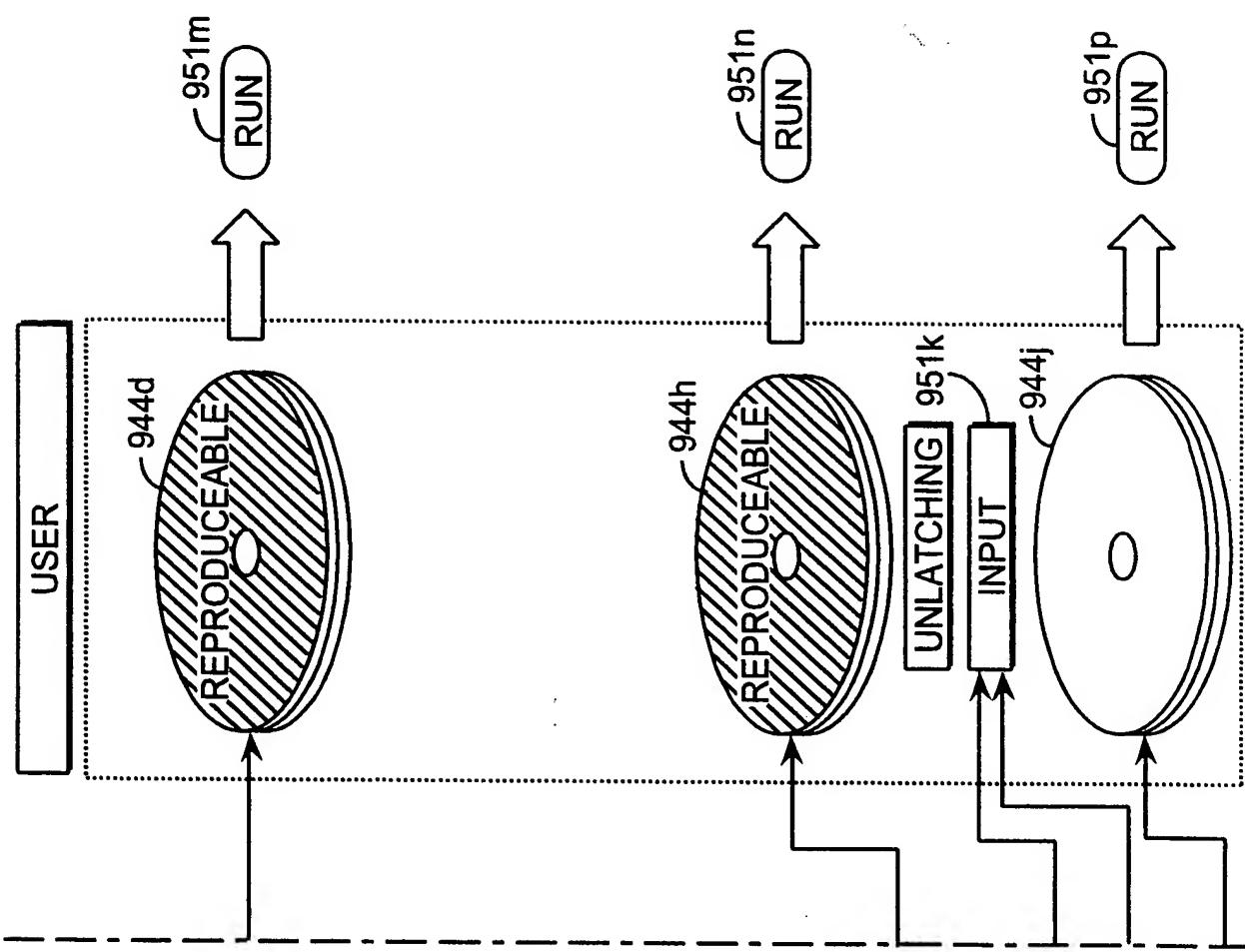


FIG. 15B

FIG. 16

METHOD OF DECODING CIPHER DATA

865

DISTRIBUTION OF CIPHER DATA AND INDIVIDUAL IDs TO USERS

RECORD, IN ROM AREA OF ONE ORIGINAL DISK, NUMBER 'M' OF DATA ENCIPHERED WITH SECRET FIRST CIPHER KEY AND PROGRAM FOR DECODING NUMBER 'M' OF ENCIPHERED DATA.

865a

MOLD SUBSTRATES FROM ORIGINAL DISK AND BOND SUBSTRATES IN PAIRS TO MAKE ROM DISKS.

865b

RECORD, IN NON-REWRITABLE AUXILIARY RECORDING AREA (BCA) OF EACH COMPLETED DISK, DECODING DATA (DISK IDENTIFICATION DATA DIFFERENT FOR PRESSED DISKS AND/OR DECODING KEY FOR CIPHER DATA) NECESSARY TO DECODE ENCIPHERED DATA BY METHOD OF MODULATION DIFFERENT FROM THAT FOR ROM AREA.

865c

USER REPLAYS DISK AND SELECTS ENCIPHERED DATA 'n'.

865d

REPRODUCE ENCIPHERED DATA AND DECODING PROGRAM FROM ROM AREA AND READ DECODING DATA FROM AUXILIARY RECORDING AREA BY MEANS OF USER'S INFORMATION PROCESSING EQUIPMENT.

865e

IS SECOND DECODING DATA OBTAINED ON-LINE?

865f



FIG. 17

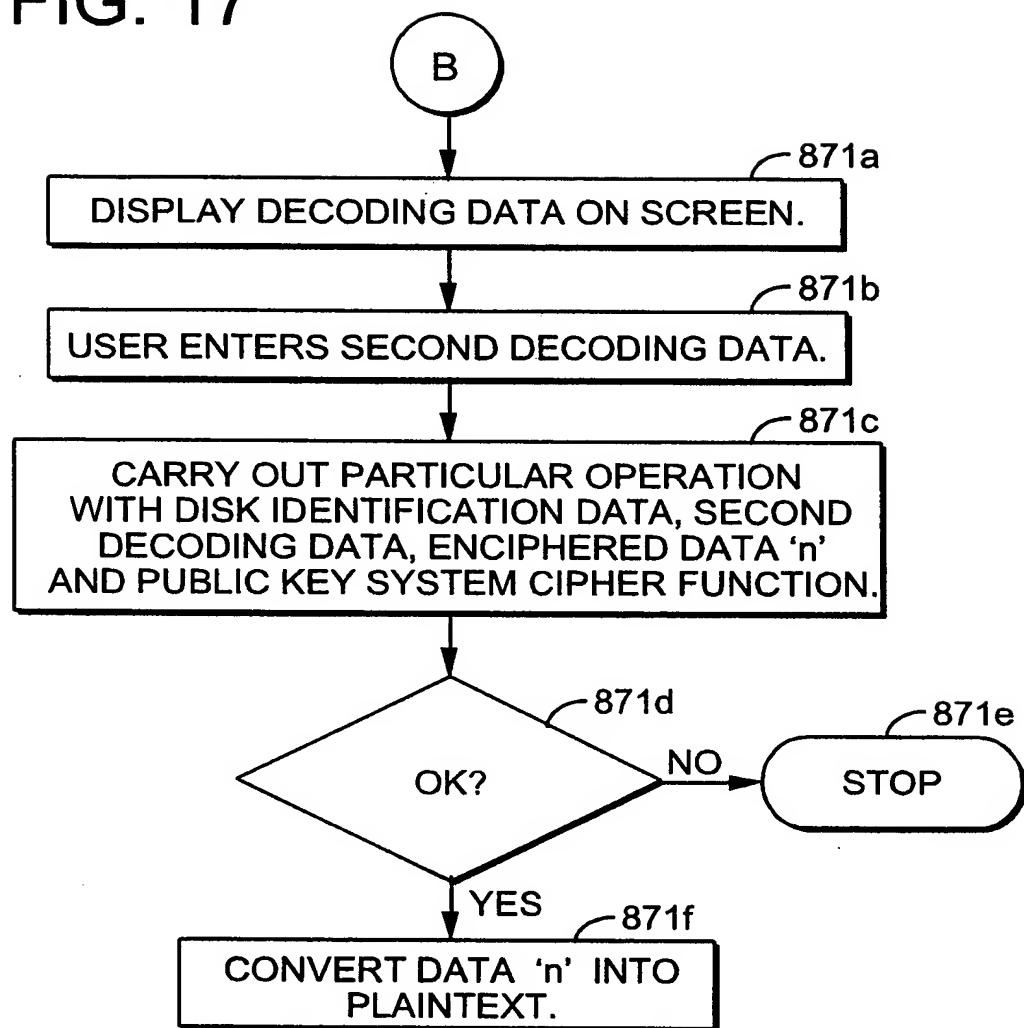


FIG. 18

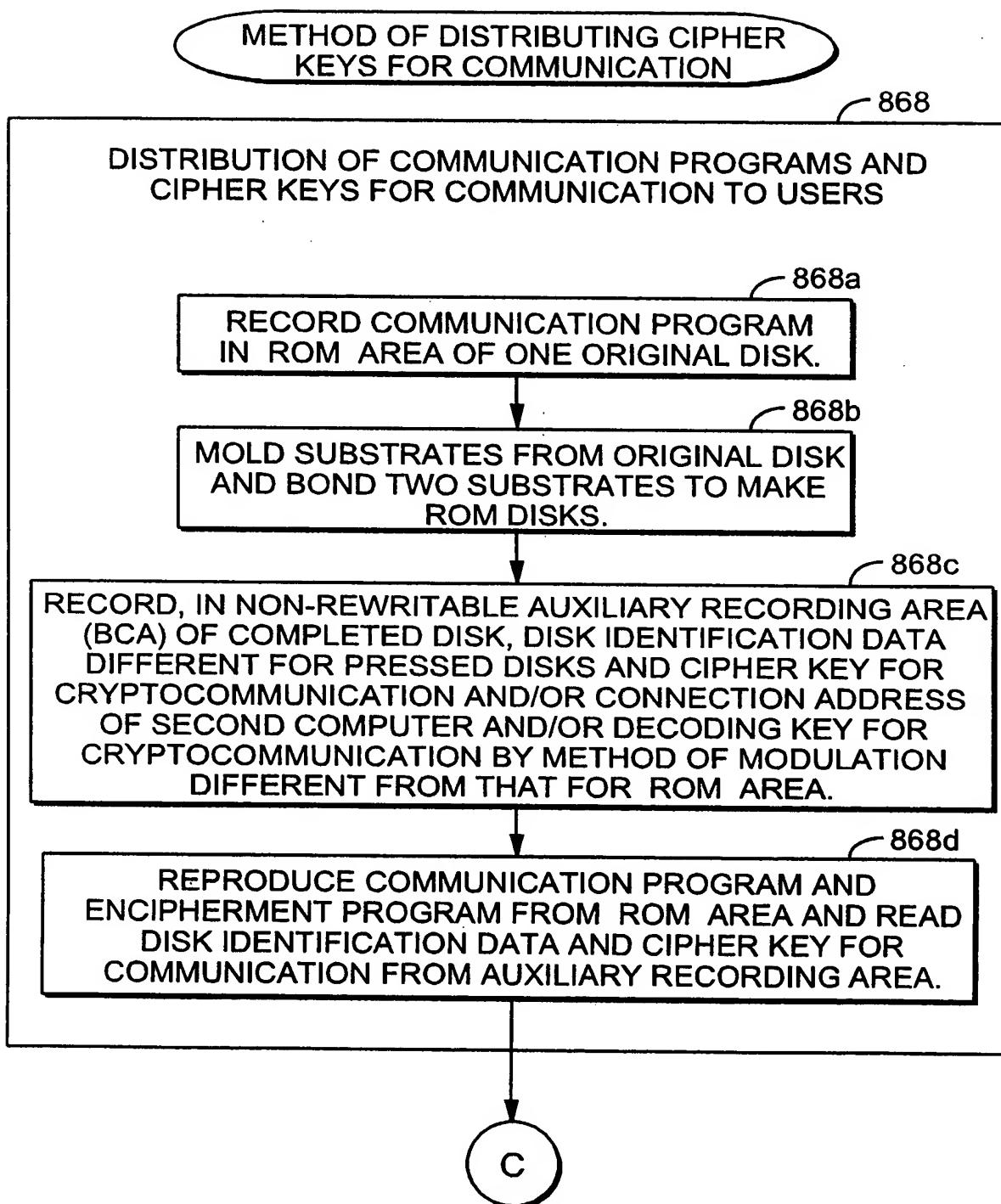


FIG. 19

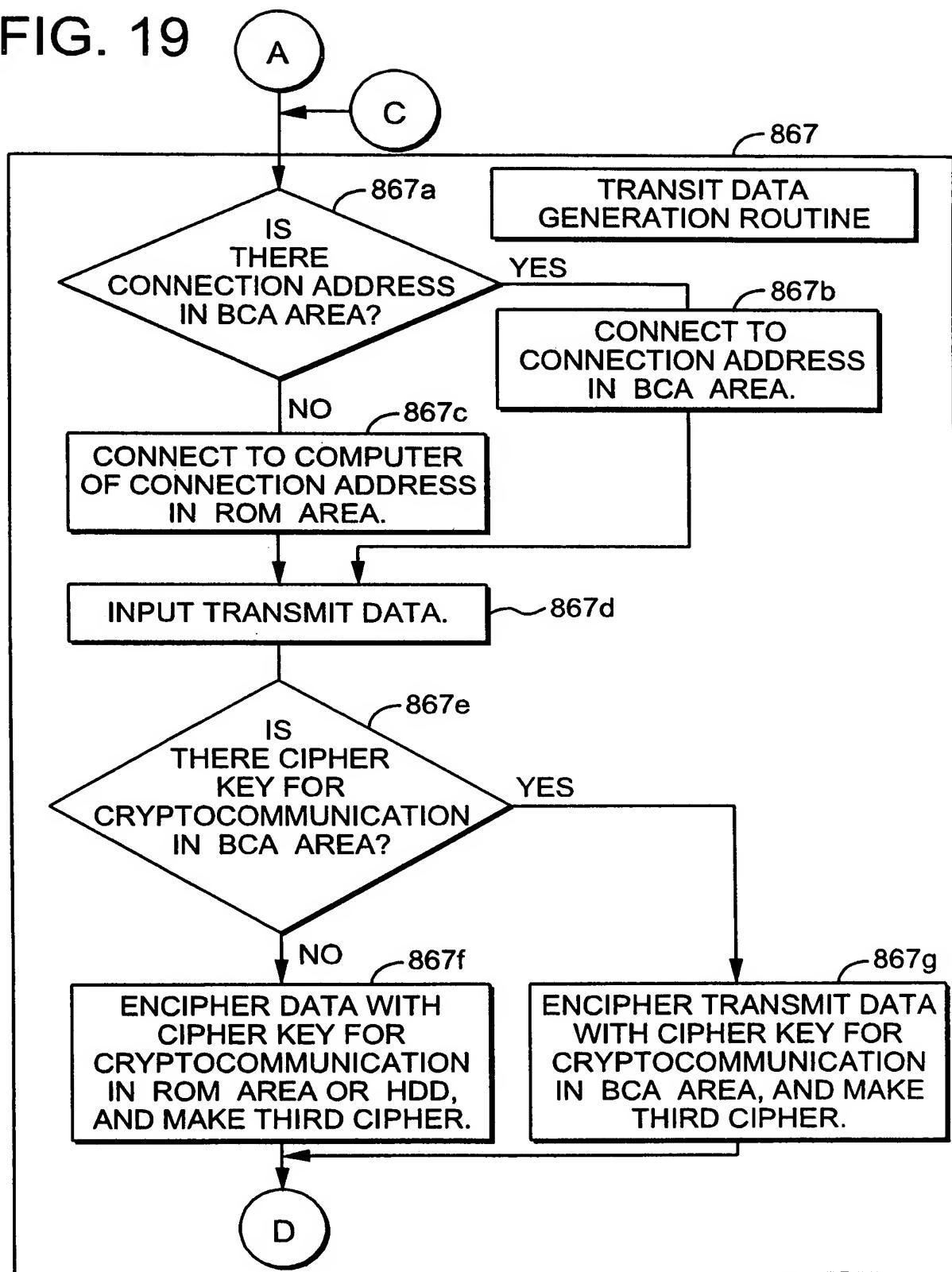


FIG. 20A

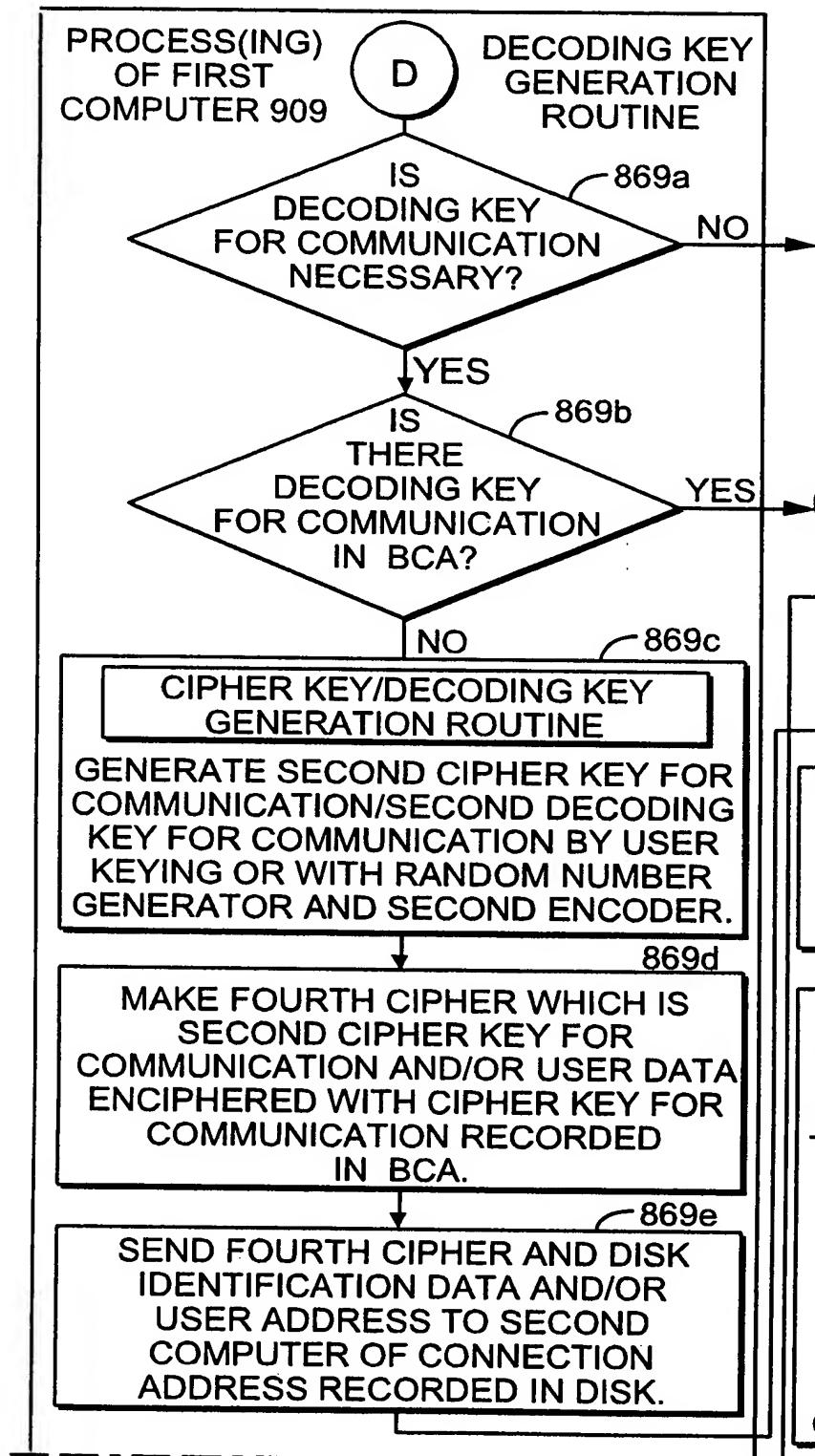


FIG. 20

FIG. 20A
FIG. 20B

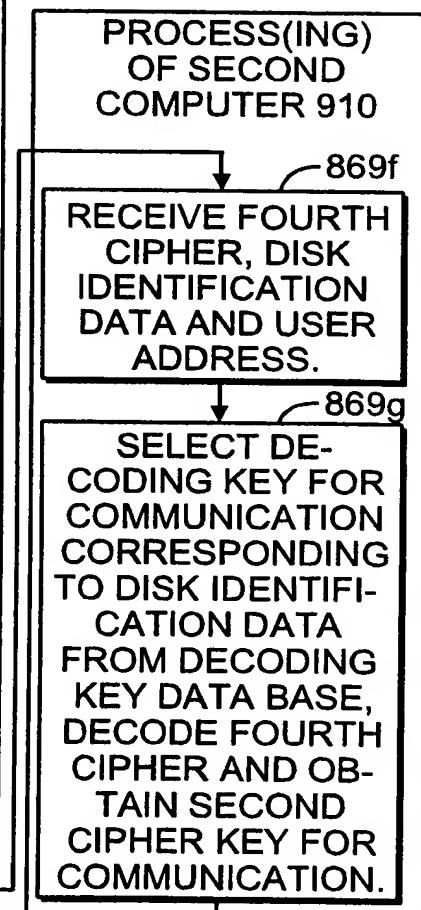


FIG. 20B

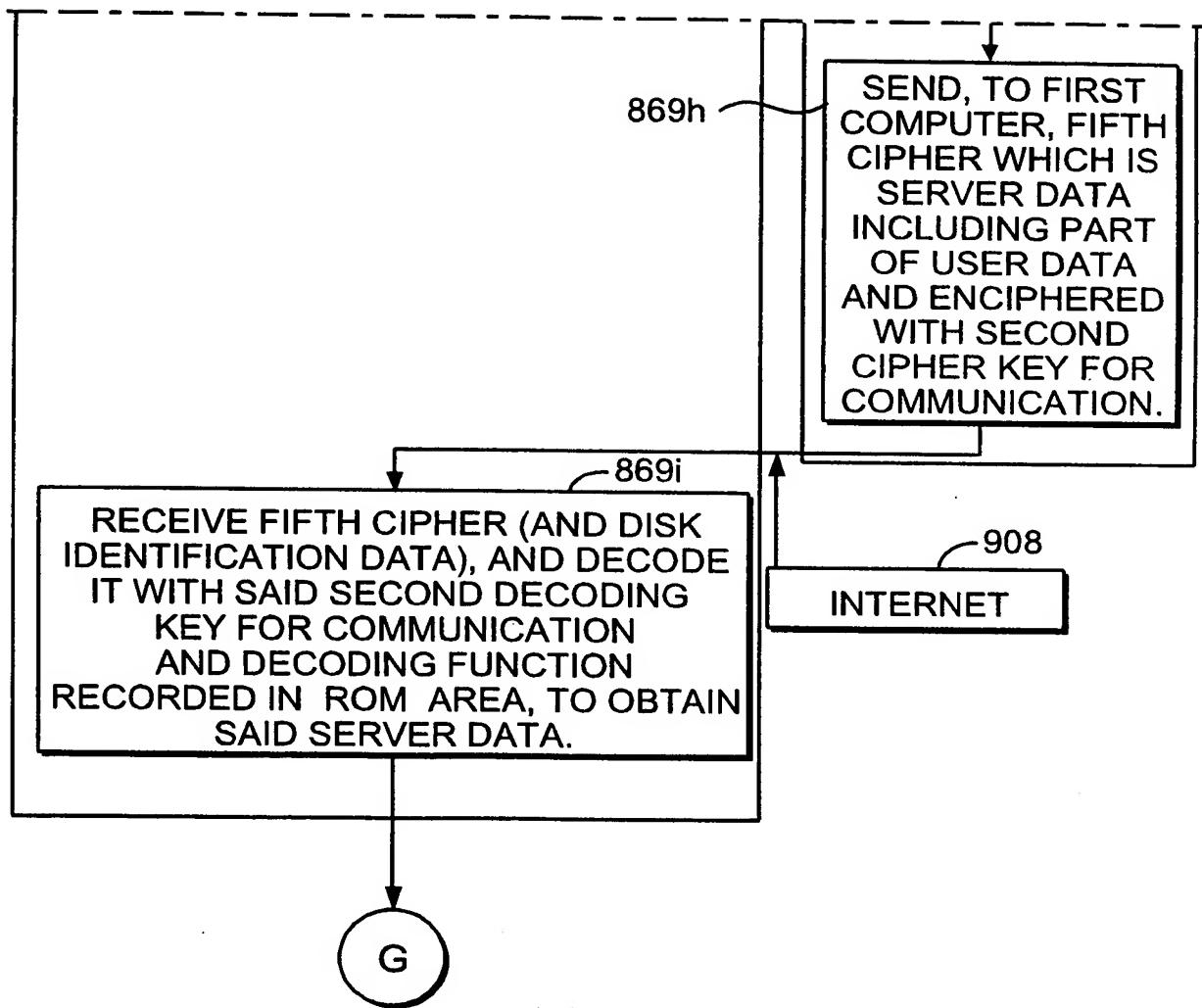


FIG. 21A

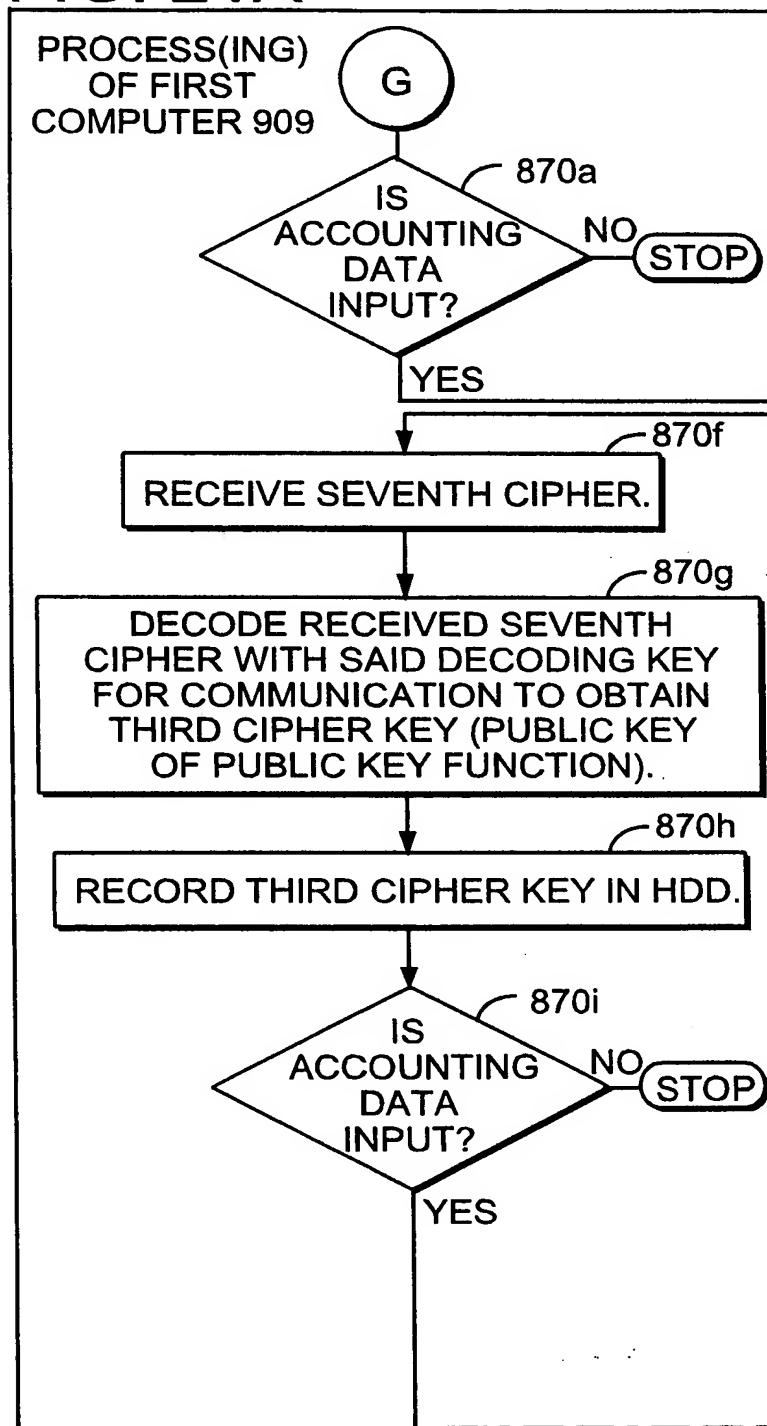


FIG. 21

FIG. 21A

FIG. 21B

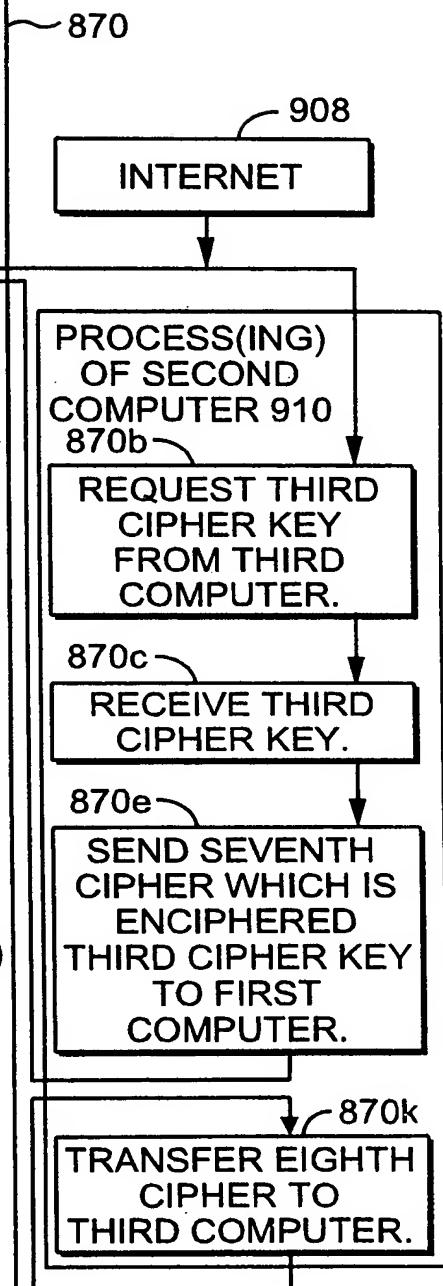


FIG. 21B

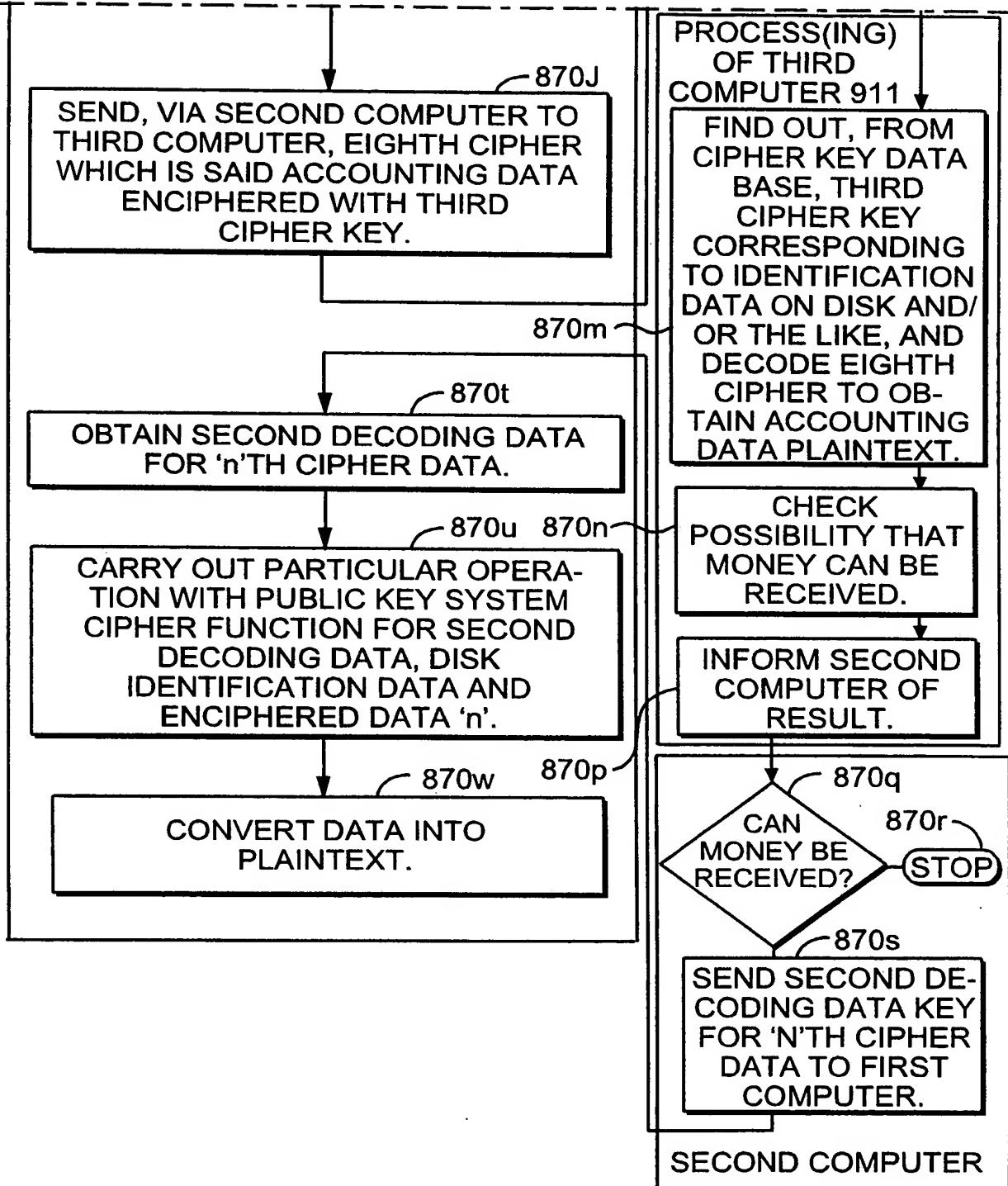


FIG. 22A

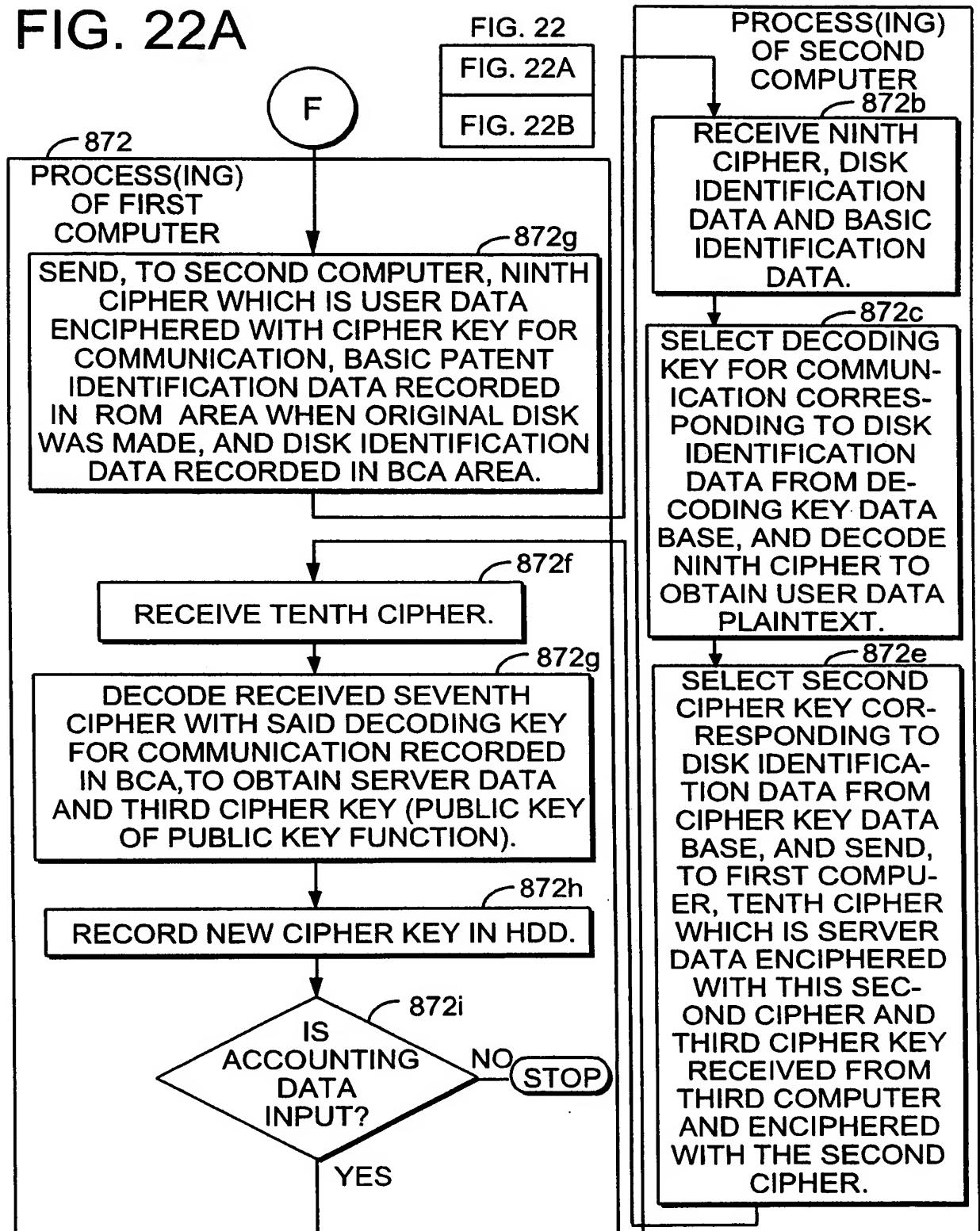


FIG. 22B

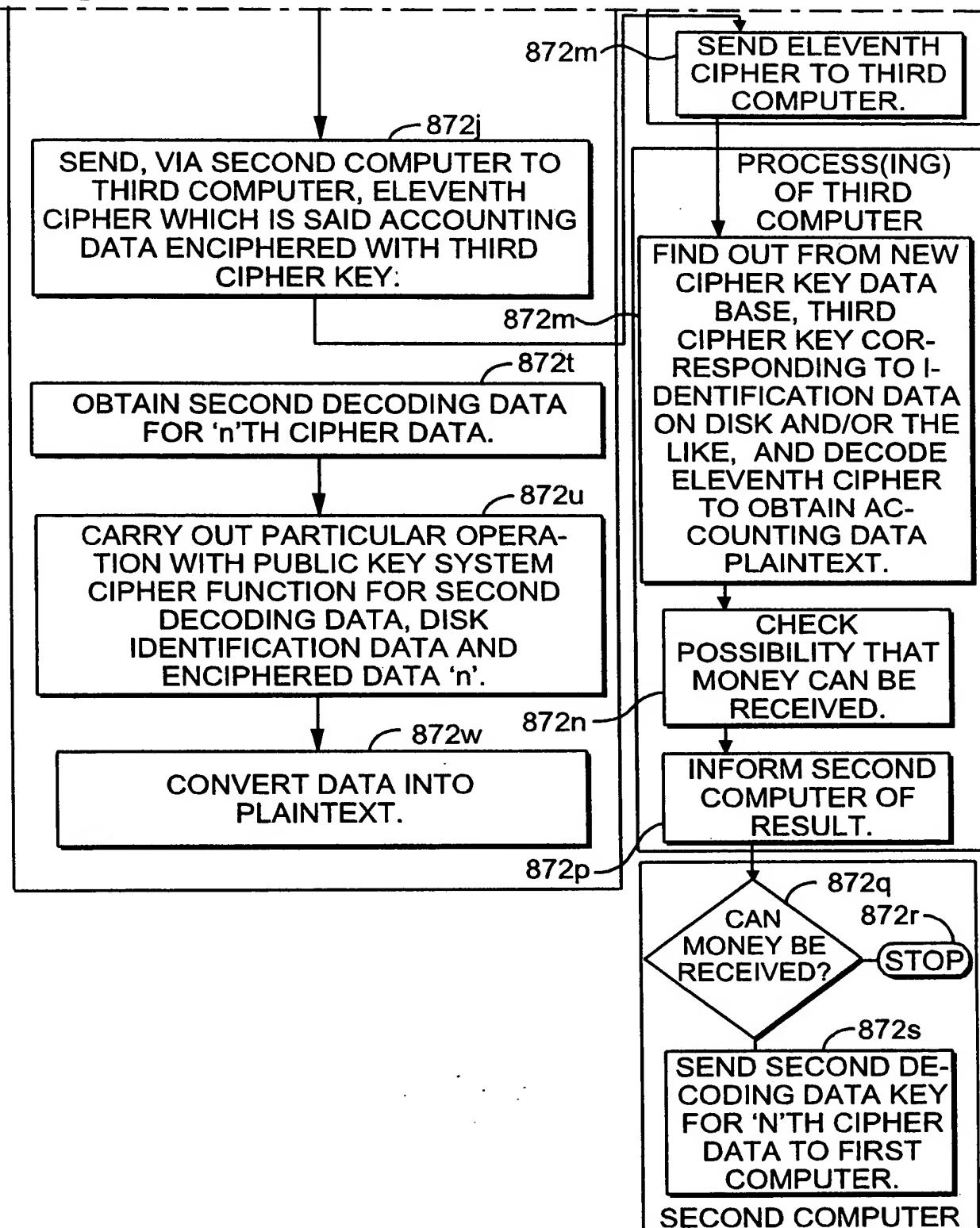


FIG. 23A

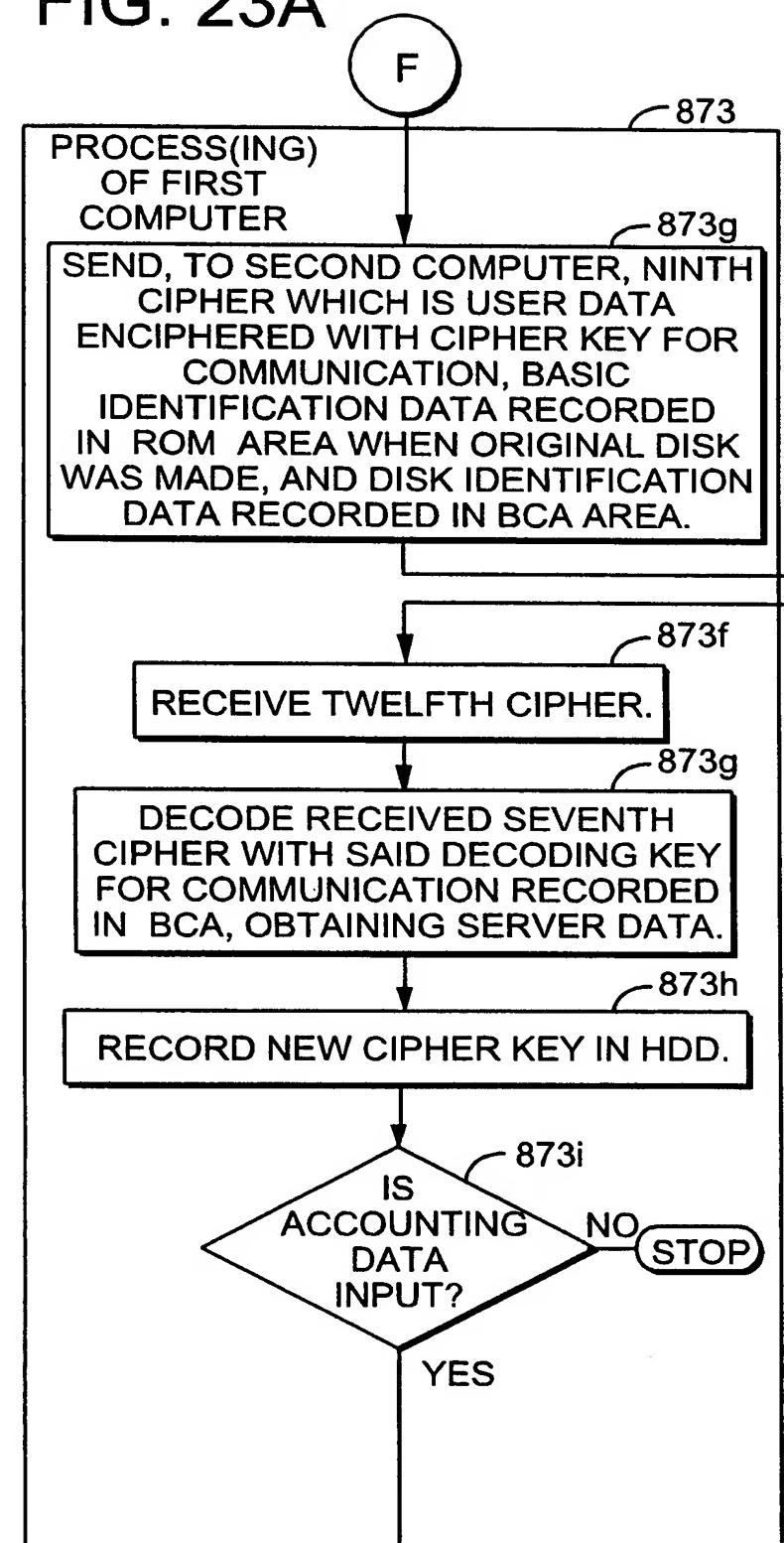


FIG. 23

FIG. 23A

FIG. 23B

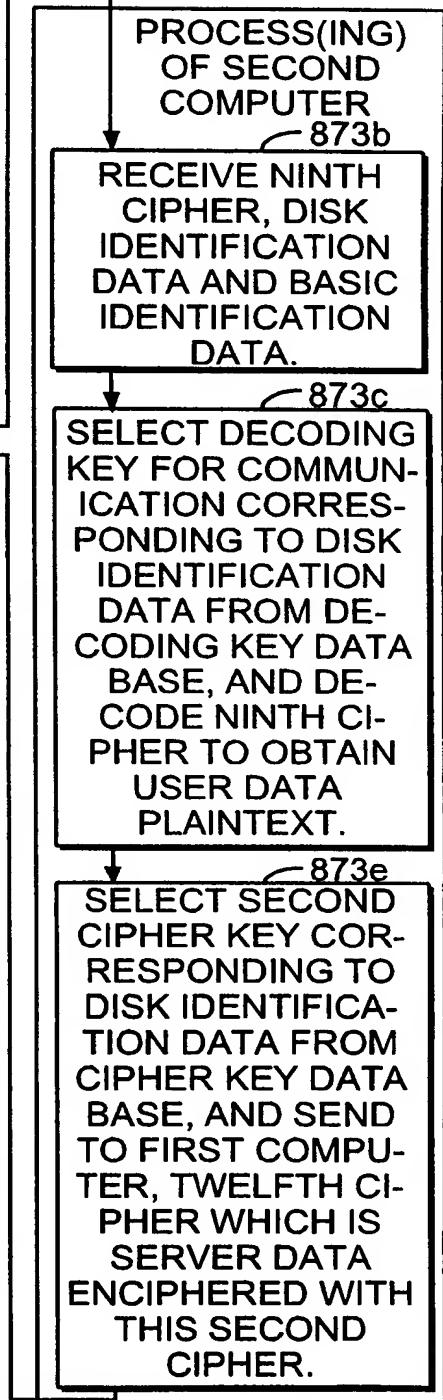


FIG. 23B

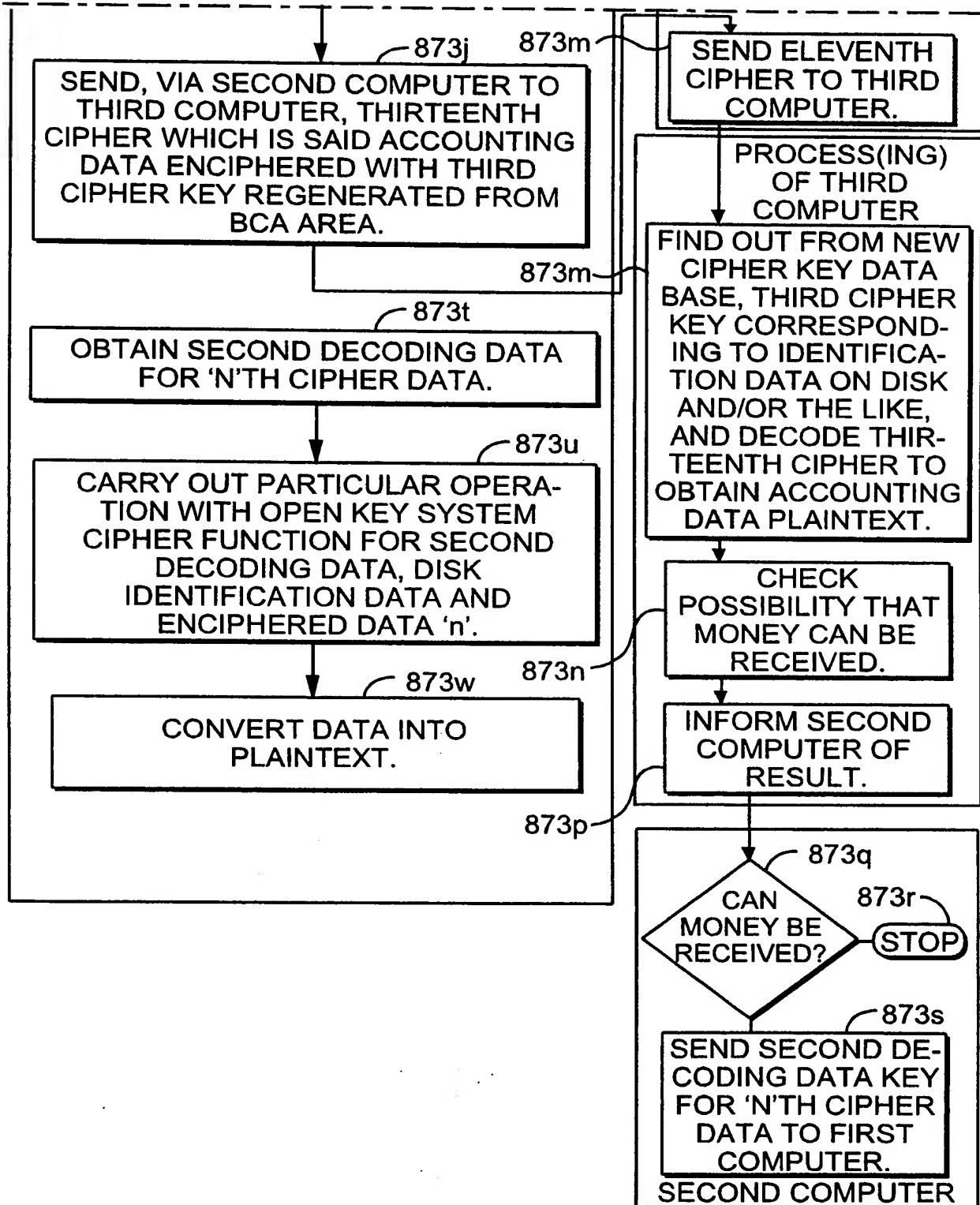


FIG. 24A

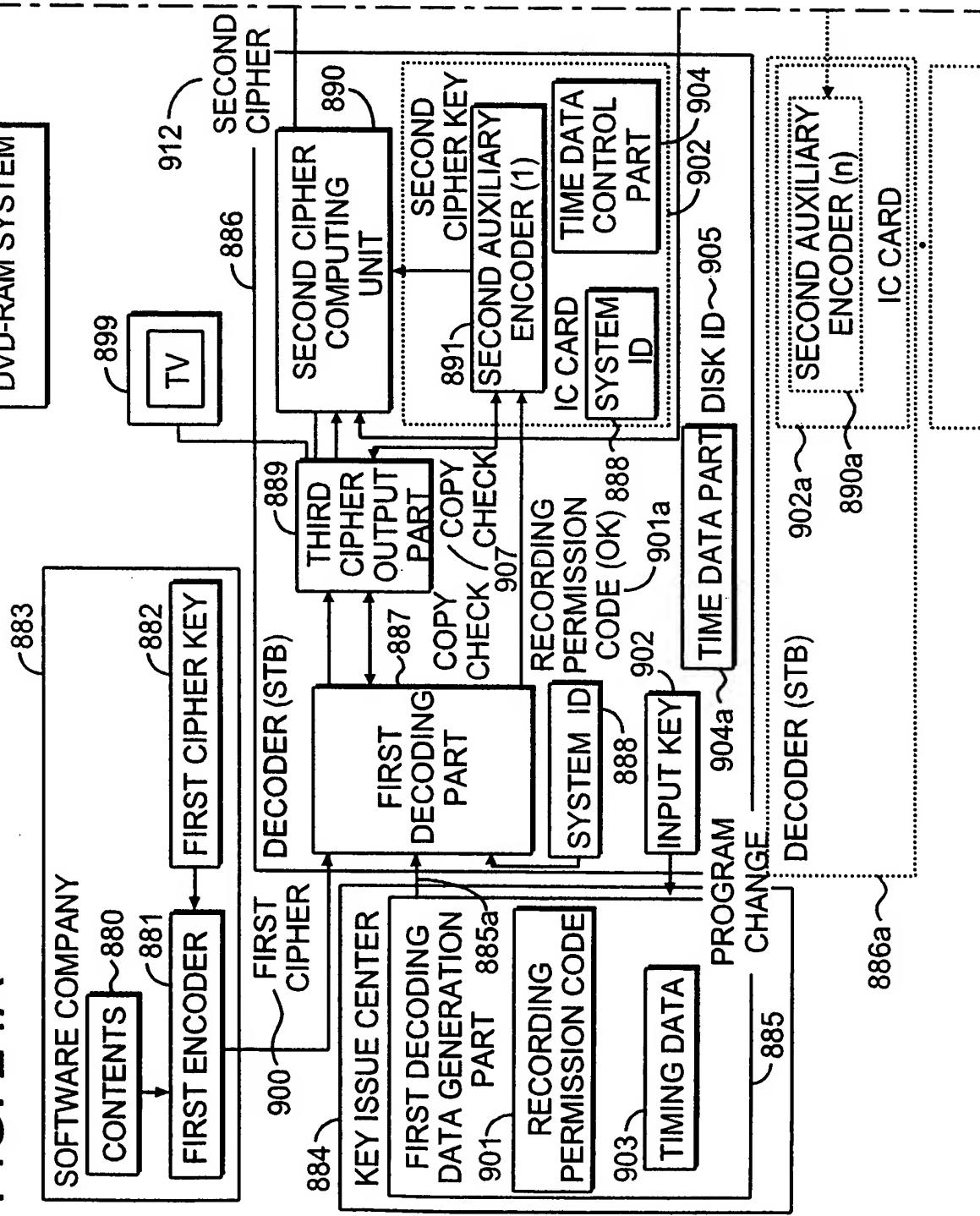


FIG. 24B

